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The



## CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 2950  
VOL. CXXV

AUGUST 22, 1936

Annual Subscription (with  
Diary) 20/- Single Copies 9d.

## GUARANTEED QUALITY means SATISFIED CUSTOMERS

- ★ SOL-VIT-AX has a *guaranteed minimum* vitamin potency; and its superiority is clearly shown by the following figures, the result of an independent analysis published in the "Analyst."

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VITAMIN A	<b>1,000</b> International Units per grm. ★	670 International Units per grm.	<b>49%</b>
VITAMIN D	<b>100</b> International Units per grm.	81 International Units per grm.	<b>23%</b>

- ★ **Note:** Potencies are expressed in International Units, the only officially recognised units of vitamin assay.
- ★ Every delivery of SOL-VIT-AX is biologically tested to ensure that it conforms to these standards of quality.
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**MEDICINAL COD-LIVER OIL**



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# Pave the way for Record Sales

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"Alka-Seltzer" Brand Tablets contain entirely new remedial properties. For the first time in history a way has been found to combine Sodium Bicarbonate, Citric Acid and Acetyl-Salicylic Acid, in stable form in an effervescent tablet. Dropped in half a glass of water an "Alka-Seltzer" tablet makes a refreshing, palatable, sparkling drink.

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Brand  
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The Miles Laboratories Inc., manufacturers of "Alka-Seltzer" Tablets, are known throughout America as staunch friends of the pharmacist and as equally staunch upholders of the principles of fair profits and fair trading. They stand behind every sale of "Alka-Seltzer" and chemists are authorised to refund without question the full purchase price of the first bottle if ever requested to do so.



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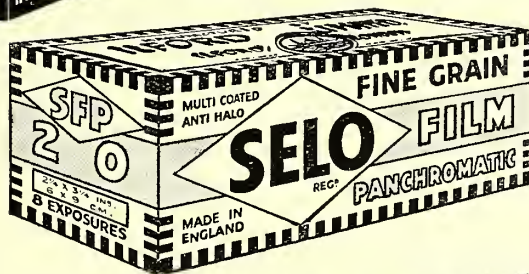


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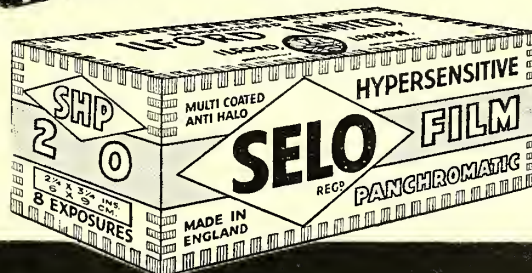


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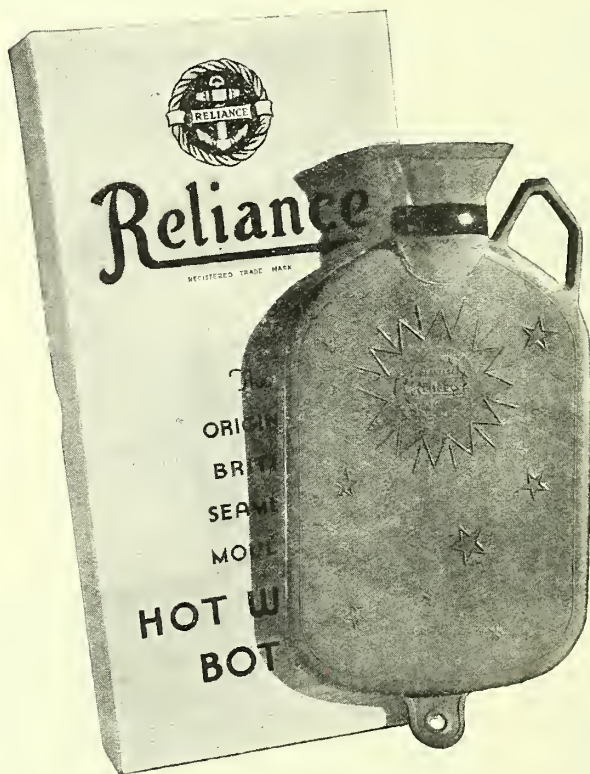
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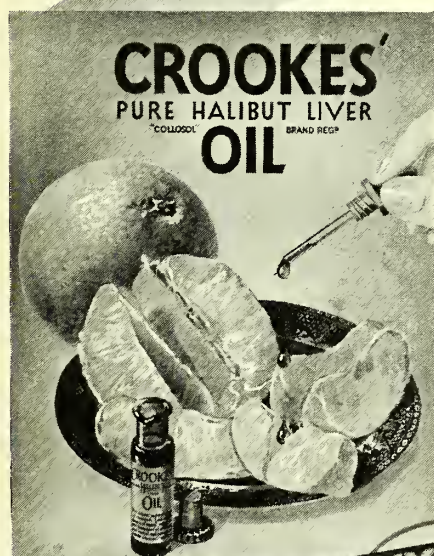
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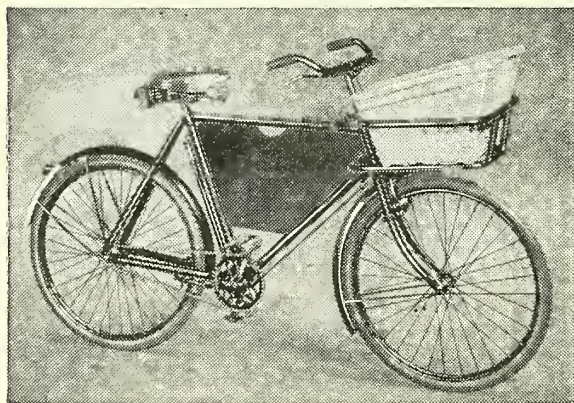
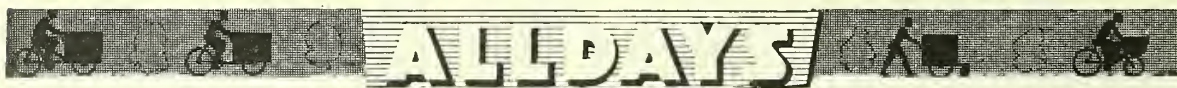
**MOORLAND**  
BRAND  
**INDIGESTION TABLETS**

W. B. CARTWRIGHT LTD., RAWDON, LEEDS



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1 gross	...	@ 42/- "	71 1/3%	41 1/3%
2 "	...	@ 41/- "	75 1/3%	43%
3 "	...	@ 40/- "	80%	44 1/3%
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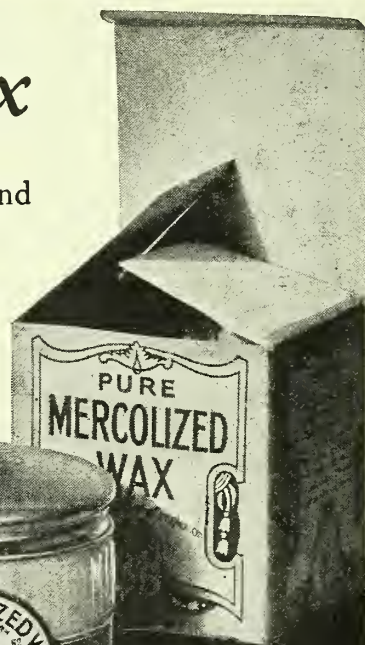
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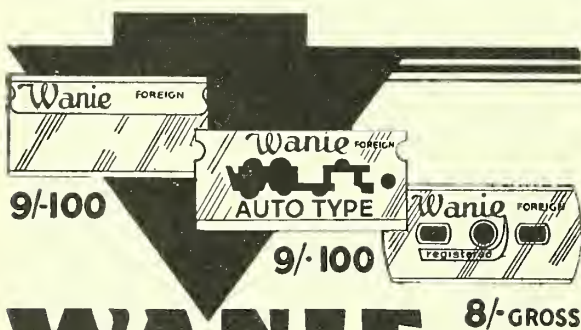
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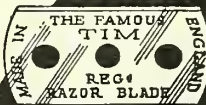
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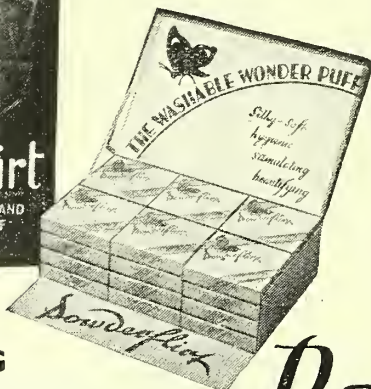




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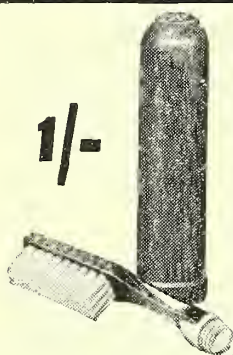
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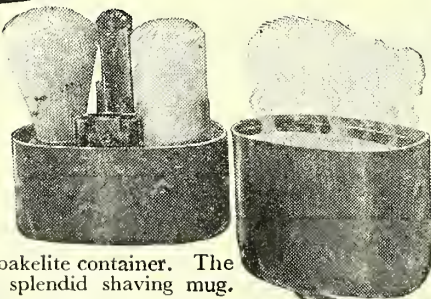
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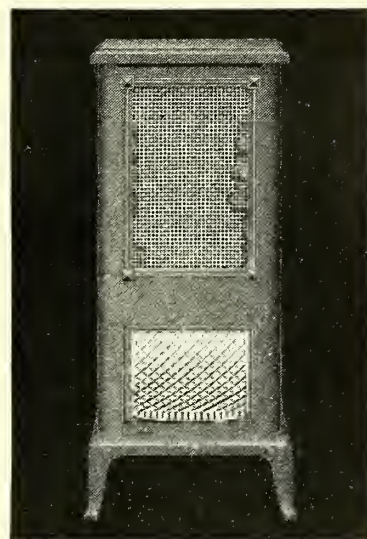
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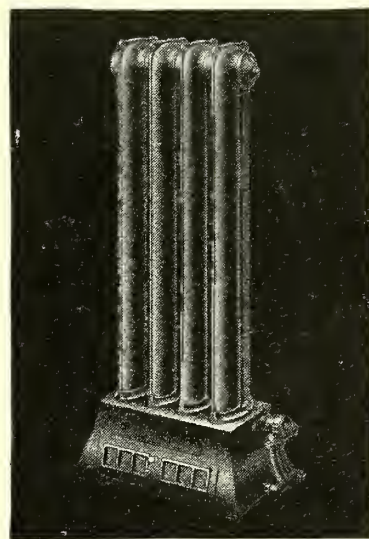
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**Radiation**

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as from AUGUST 24th, 1936

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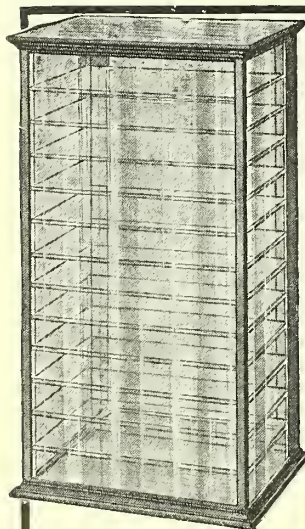
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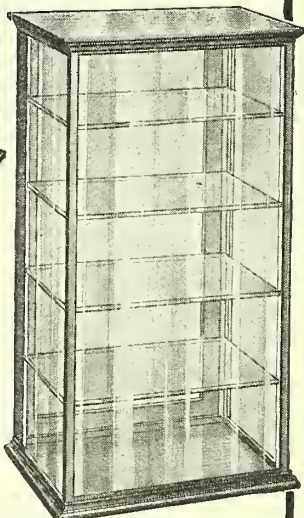
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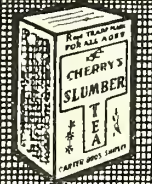
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ALL CHEMISTS SHOULD STOCK

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THE GOLD MEDAL HEALTH DRINK. Quick Seller. Big Profits. Over 60 years' Reputation. "Abdine" is obtainable from the Wholesale Houses. Attractive Display Material constantly available.  
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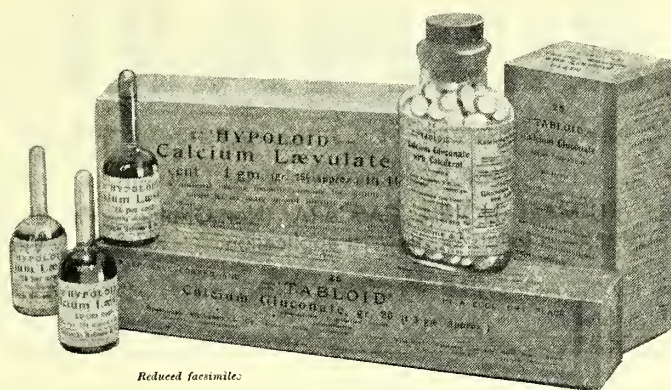


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66/- per doz. boxes of 5 ampoules

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Gr. 20 (Chocolate-flavoured Base), 21/9 per doz. bottles of 25 products

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Trade Mark Brand

with CALCIFEROL R Calcii Gluconatis, 0.325 gm.  
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(1 product = 1000 International Units Vitamin D)

21/9 per doz. bottles of 25 products 70/9 per doz. bottles of 100 products

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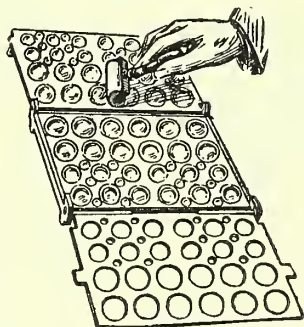
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The Business Newspaper for all Sections of the Drug, Pharmaceutical, Chemical, Cosmetic, Perfumery and Associated Industries

*The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions*

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## News of the Week

### Key Industry Duty Re-Exemptions

The Treasury have made an order under Section 10(5) of the Finance Act, 1926, continuing the exemption from Key Industry duty from August 20, 1936, till December 31, 1936, of the articles specified in the attached lists:—

Scientific instruments, the following:—

Integrators (planimeter type).

Fermentographs, being instruments for measuring and recording carbon dioxide evolved during dough fermentation.

Such altimeters as have two or more geared indicating pointers mounted concentrically and moving over a fixed altitude scale.

Vacuum tubes, the following:—

Sealed cylindrical X-ray tubes having four windows.

Compounds of rare earth metals, the following:—

Celtium oxide; Dysprosium oxide; Erbium oxide; Europium oxide; Gadolinium oxide; Holmium oxide; Lutecium oxide; Samarium oxide; Scandium compounds; Terbium oxide; Thulium oxide; Ytterbium oxide; Yttrium oxide.

Synthetic organic chemicals, analytical reagents, other fine chemicals and chemicals manufactured by fermentation processes, the following:—

Acid adipic; acid dipropyl-malonic; Acid filicic; Acid propionic; Acidol (betain hydrochlorate); Acyl derivatives of urea, the following:—Acid isobutyl allyl barbituric; N-methyl-C-C-cyclohexenyl methyl malonyl urea; N-methyl-C-C-cyclohexenyl methyl malonyl urea-sodium; N-methyl ethyl phenyl malonyl urea; Cyclohexenyl ethyl malonyl urea; Sodium ethyl methyl butyl barbiturate; Alcohol amido ethyl; Allyl paracetaminophenol; Amido guanidine sulphate; Amidopyrin (pyramidon; dimethylamidoanti-

pyrine); Ammonium perchlorate; Barbitone (veronal; malonal; malourea; acid diethyl barbituric; diethylmalonylurea; hypnogen; deba); Bromural (dormigene); Butyl esters, the following: Butyl methyl adipate; Calcium gluconate (calcium glyconate); Cellulose ethers, the following: Ethyl cellulose; methyl cellulose; Chinoline (quinoline); Chinosol; Cocaine, crude; Coryfin; Cumenol pseudo; Cyclohexanol esters and alkyl cyclohexanol esters, the following: Methyl cyclohexanol methyl adipate; Dial (acid diallyl barbituric); Dicyandiamide; didial (ethyl morphine diallyl barbiturate); Dimethyl sulphate; Diphenyl; Diphenyl oxide; Elbon (cinnamoyl para oxyphenyl urea); Ethyl esters, the following: Ethyl abietate; Ethylene bromide; Eukodal; Furfural; Germanium oxide; Glycol ethers; Holocaine; Kryofoin; Lead tetraethyl; lipiodin; Melubrin; Mercury compounds, the following: Mercury sodium salicyl allyl amino o-acetate; Metaldehyde; Methyl anthranilate; Methyl esters, the following: Oxymethyl para-oxyphenyl benzylamine methyl sulphate; Methyl sulphonol (diethylsulphonemethylethylmethane; trional); Methylene chloride; Nickel hydroxide; Organo-arsenic compounds, the following: copper methyl arsenate; 4-oxy-3 ethyl amino phenyl arsinic acid-n-methyl tetrahydro pyridine B-carboxylic acid methyl ester; Orthoform; Orthoform (new); Phenazone (antipyrine); phenyl dimethylpyrazolone; analgesin; anodynine; dimethyl oxychinizin; Phenetidine, para-; Phloroglucine; Phytin; Piperazine (diethylene-diamine; dispermine); R. potassium chlorate; Potassium ethylxanthogenate (potassium xanthogenate); Potassium guaiacol sulphate; R. potassium hydroxide (R. potassium caustic; R. potassium hydrate); R. potassium permanganate; Pyramidonveronal; Quinine ethyl-carbonate; Radium compounds; Saffrol; Sajodin; Salol (phenyl salicylate); Salophen; Strontium carbonate; Strontium nitrate; Sulphonol; Synthalin; Theocine (theophylline); Valyl.

Amorphous carbon electrodes over 3 ft. long, the cross section of which exceeds 12 in. in both length and breadth



with longitudinal slots exceeding 2 in. in width and 4 in. in depth.

Vanadium compounds, the following:—

Vanadium-silica compounds specially prepared for use as catalysts for sulphuric acid manufacture.

It will be noted that oxalic acid has been omitted from the list of products re-exempted.

### Import Duties Order

The Treasury, on the recommendation of the Import Duties Advisory Committee, have issued the Import Duties (Drawback) (No. 8) Order, 1936 (S.R. & O., 1936, No. 818), authorising, under Section 9 of the Finance Act, 1932, the allowance of drawback of Customs duties as from August 21, 1936, in respect of cellulose acetate photographic film base in rolls used in the manufacture of unexposed sensitised photographic film, and cellulose acetate film base prepared for colour-photography but not sensitised. The aggregate amount of duty payable is not affected, but the change has the effect of reducing the amount of drawback for which the goods are eligible under the Safeguarding of Industries Act, 1921. A White Paper containing the Treasury Order and the Advisory Committee's recommendation is published by the Stationery Office (Cmd. 5264).

### Inquests

A verdict that death was due to natural causes was returned by the East Riding coroner at Bridlington, recently, after an inquiry concerning the death of Mr. Edward Ryley, chemist and druggist, Hull, who died suddenly while on holiday. A medical witness stated that death was due to coronary thrombosis.

An inquest on the bodies of Raymond Cooper, his wife and daughter, who died after using sodium nitrite in mistake for table salt, was concluded at Middlesbrough on August 18. Mr. Alfred Scholes, joint borough analyst, said as far as he was aware this was the first fatal case of nitrite poisoning in this country. He had traced cases in Australia, Algeria, and France. The organs contained evidence of sodium nitrite, and no other poisonous substance was found. The acid rhubarb eaten by the family would quickly decompose the nitrite and evolve nitrous oxide. He could not conceive what use the man would have for the nitrite except, perhaps, as a plant food. A sample of the nitrite was sent to the chief analyst of the Imperial Chemical Industries' works at Billingham, where Cooper worked, and was found to be similar in composition to that made by the firm, but it was not possible to identify it, as it could have been obtained elsewhere. The coroner, addressing the jury, said he understood sodium nitrite was not so strong-tasting as common salt and that the users would have to use more. A verdict of "Accidental death" was returned. [A case of fatal poisoning by sodium nitrite was reported in *THE CHEMIST AND DRUGGIST*, 1904, I, 952. It appeared that a written order was sent for the substance, and it was taken by the customer under the impression that it was an alternative to Epsom salts.—EDITOR.]

### London

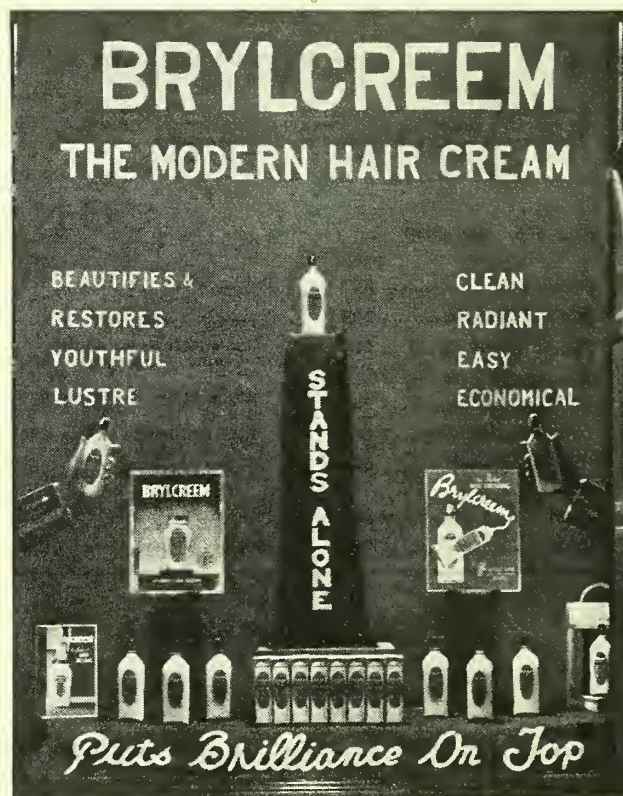
At the Marlborough Street Police Court, on August 13, William J. Glover, porter, was charged with embezzling 5s., the money of his employers, Bird & Storey, Ltd., chemists, 62 Regent Street, W.1. Glover, who was defended by Mr. Griffiths Jones, barrister, pleaded "Guilty." The magistrate bound him over for twelve months and placed him on probation.

The latest annual report of the medical officer of health for the City of London (Dr. W. M. Willoughby), covering the year 1935, sets forth the usual particulars of the work undertaken during the twelve months with a view to safeguarding the health of the citizens and, to some extent, of the inhabitants of the much wider area that draws supplies of food and other commodities from the City. The interest in the report this year from a pharmaceutical standpoint is slight. Of 107 samples of drugs procured, five were reported against, three of which were iodine ointment. The vendors in each case were cautioned. Other articles sampled included almond oil, arrowroot, borax, camphorated oil, castor oil, Easton's syrup, eucalyptus oil, friar's balsam, ginger (powdered), glycerin of borax, iron and quinine citrate, crushed linseed, liquid paraffin, spirit of sal volatile, sulphur, turpentine liniment

and various ointments. Dealing with rat repression, the report distinguishes between the black rat and the brown rat, and points out that determination of the species present is important for owners of premises. Poisoning is rarely advised by the medical officer's department. "There can be little doubt," it is added, "that the time is ripe for increased and amended legislation, together with the application of different and more logical measures for combating the rat."

### Manchester and District

Miss Mary Simmons, youngest daughter of Mr. E. H. Simmons (vice-president of the Pharmaceutical Society) had an alarming experience on August 15, when some of the coaches of the train on which she was returning from Southampton to Waterloo at the conclusion of her holidays caught fire. Fortunately Miss Simmons is none the worse for her adventure.



THE ABOVE ILLUSTRATION IS OF A WINDOW DISPLAY BY MR. W. H. HARRISON, M.P.S., CHORLTON-CUM-HARDY. APART FROM THE MANUFACTURERS' SHOWCARDS THE ONLY ACCESSORIES ARE WHITE DEMY AND CREPE PAPER.

Employees in every department of Lewis's, Ltd., will in future receive their weekly wages on Thursday instead of Friday. In announcing their new departure Messrs. Lewis state that Friday night is so universally "pay night" that Saturday shopping is out of all proportion to the other days. That, they claim, is not good for the comfort of the public, nor for the well-being of the employees in shops. They expect that the movement will not affect the aggregate business of the week but will tend to spread it more evenly. The returns of the Manchester transport department show that between 200,000 and 300,000 more passengers are carried in the municipal trams on Saturday than on any other day.

At Salford Police Court, on August 11, Leonard Shenton, ironmonger, Broad Street, Pendleton, was summoned for having sold a poison included in Part II of the Poisons List without having his name registered and without having his name and address attached to the container. Prosecuting on behalf of the Corporation, Mr. L. R. Martin explained that



the summonses related to the sale of a bottle of phenolic disinfectant which was found on analysis to contain 1.15 per cent. of phenols. Inspector S. Stott explained that just before the new regulations came into operation, leaflets setting out their provisions were distributed to all the tradespeople affected. Admitting the offences, Shenton pointed out that they occurred when his daughter was in charge of the shop and he was on holiday. He was fined £2 on each summons and £1 rs. costs, making £5 rs. in all.

At the same court Harry Whalley, West Park Street, Salford, was similarly summoned. Whalley explained that he had only recently bought the business from his brother and two bottles of phenolic disinfectant were in the stock he took over. He had no knowledge of the regulations. He was fined 10s. in each case.

### Miscellaneous

**VAN DRIVER KILLED IN STREET.**—As the result of a collision between a van and a tramcar in Dewsbury Road, Leeds, on August 12, the driver of the van, Walter Holroyd, was killed by an escape of hydrocyanic acid from a burst cylinder.

**EXPORT CREDITS GUARANTEES.**—A booklet entitled "Avoiding Frozen Credits," just issued by the Export Credits Guarantee Department, 9 Clements Lane, Lombard Street, London, E.C.4, outlines the Department's guarantee to exporters of United Kingdom goods invoiced in sterling the receipt, subject to certain conditions, of 75 per cent. of their sterling value within a stated short period.

### Irish Notes

#### Brevities

Mr. A. E. Bradbury has been appointed representative of S. Maw, Son & Sons, Ltd., London, E.C.1, in the Irish Free State.

The headquarters of the Pharmaceutical Society of Ireland have been closed for holidays during the present month, and no Council meeting will be held.

Belfast Harbour returns show that during the first half of this year 2,909 tons of drugs and chemicals were imported

and 68 tons exported: last year the corresponding figures were 2,590 tons and 51 tons. Only 54 tons came from abroad.

The monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland called for August 21 will, in accordance with custom, be adjourned until September. The next meeting will, as arranged, be held at Londonderry on September 17.

The Irish Chemists' Golfing Society will hold their final outing of the season at Milltown Golf Club, Dublin, on September 6, when a full attendance of members is requested. Four cups will be available for competition, presented by S. Maw, Son & Sons, Ltd., Erasmic Co., Ltd., Mr. Victor Hanna and the Irish Glass Bottle Co. Competitors must be off the first tee by 10.30 a.m.

Dr. G. W. Connor, of Seaview Cottage, Warrenpoint, died on August 7. Dr. Connor was a son of the late Dr. S. Connor, J.P., Ph.C., Newry, and was born at Warrenpoint in 1872. He was a brother of Mr. J. E. Connor, J.P., Ph.C., a past-president of the Pharmaceutical Society of Northern Ireland. An eloquent tribute to Dr. Connor appeared in "The Newry Telegraph" of August 8.

### Scottish Notes

#### Brevities

A large number of vacant shops is to be seen in the Partick and Whiteinch districts of Glasgow.

Mr. W. B. Proudfoot, B.Pharm., Ph.C., a lecturer in the department of chemistry at Dundee Technical College, has received the B.Sc. degree of the University of London, with honours in chemistry.

A correspondent (19/8) writes:—"A practice which I thought to have been obsolete is to be found in the West of Scotland. I refer to chemists allowing their premises to be used as consulting rooms by doctors. It would seem that 99 per cent. of N.H.I. prescriptions written in such circumstances are dispensed by the owner of the premises from which the prescriptions are issued."

## Topical Reflections

By Xrayser

### That the Autumn

is approaching is evident from the appearance of last week's Annual Educational Number. I can well imagine that a large number of students in all parts of the country will be consulting its pages to get some idea of the facilities offered by the different schools. These vary considerably in fees and in the length of time required to attain the necessary knowledge of the subjects in the official syllabus. As you say, the number of schools is diminishing. Even so there are many more than when I was a student, when one's choice was restricted to London and one or two provincial cities for the necessary training; certainly there was nothing like the conveniences that are available to-day. To a great extent the school and college are taking the place of the pharmacy for giving the necessary training the young aspirant requires for his examinations; perhaps the weakest part of our educational machine is our apprenticeship system, or want of system. The pupilage period is so short, and the opportunities the pupil has during the brief time at his disposal of getting practical skill in his calling are so few, that it is no wonder he depends for this upon the school.

### I Have Read with Interest

the two statements by the successful candidates for the Jacob Bell and Leverhulme scholarships (p. 174); these will be appreciated not only by students who are actively engaged in training for examinations but also by those who may still be students at heart although their opportunities for anything more than study have passed. One thing

strikes me in reading the contribution of the Bell scholar, and that is the considerable amount of time he was able to devote to study every week. This was probably made possible because of the fewer hours the average present-day pharmacy is open compared with the number a decade or so ago, and perhaps also by special time for study given him by his employer. When one considers the long hours we put in when I was a student and the fact that there was no early closing day, the winning of the Bell scholarship was often an achievement that represented a big consumption of the midnight oil. I am interested to know that the Leverhulme scholar was able to get his business knowledge in the pharmacy.

### The Publication

of the seventh edition of "Diseases and Remedies" (p. 180) is an event of importance to practising pharmacists. I visualise the first edition of 1898 in its place on my shelf of business books; on many occasions through the year since it was first placed there I have taken it down for information on those many problems which confronted me in the shape of customers who wanted me to prescribe for them and would not go away until they had received their "bottle." Customers will ask their chemist for advice, and in a very high percentage of cases his remedies are successful; he is usually most cautious in what he gives. If ever the day comes when he will have to give up his prescribing in exchange for the sole right to dispense, I fancy that his customers will be the first to deplore the change. I strongly recommend "Diseases and Remedies" to those pharmacists who do not possess a copy.



# New Companies and Company News

P.C. means Private Company and R.O. Registered Office

**BRISTOL CHEMISTS, LTD. (P.C.).**—Capital £200. Objects: To carry on the business of chemists, druggists, librarians, etc. R.O.: 32 Bridge Street, Bristol.

**EVANS' CENTRAL PHARMACY, LTD. (P.C.).**—Capital £500. Objects: To carry on the business of chemists, druggists and librarians, etc. R.O.: Church Street, Paulton, Somerset.

**VERET, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in merchandise . . . scientific instruments, electrical apparatus, etc. R.O.: 169 Regent Street, London, W.1.

**ALLIED PAINTS & CHEMICALS, LTD. (P.C.).**—Capital £10,000. Objects: To carry on the business of manufacturers of and dealers in paints and chemicals of all kinds, etc. R.O.: Wharfedale Road, Tyseley, Birmingham.

**LUTYIES LABORATORIES, LTD. (P.C.).**—Capital £5,000. Objects: To carry on the business of manufacturing, pharmaceutical, analytical, photographic and dispensing chemists and druggists, opticians, etc. R.O.: Aldwych House, Aldwych, London, W.C.2.

**B. ROSEN (DENTAL DEPOT), LTD. (P.C.).**—Capital £2,500. Objects: To carry on the business of manufacturers of and dealers in goods and supplies for dental, medical and pharmaceutical purposes, etc. R.O.: 4 Great North Road, Newcastle-on-Tyne, 2.

**G. H. S. TRUST, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of an investment trust company in all its branches, and in particular in relation to chemical trades and industries, etc. Gladys I. Becker, 215 Elgin Avenue, Maida Vale, W.9, director.

**A. T. STRONG, LTD. (P.C.).**—Capital £5,000. Objects: To carry on the business of consulting, analytical and manufacturing chemists, etc. The directors are Arnold T. Strong (permanent managing director), The Square, Wold, Glos, Mrs. Doris G. Strong, Edgar V. Strong and Otto J. Strong.

**W. A. C. MOUNTAIN, LTD. (P.C.).**—Capital £6,000. Objects: To acquire the business of soap, starch and chemical manufacturers heretofore carried on by Walter A. C. Mountain and Hilda D. Mountain at Bredbury, Stockport. Solicitors: Coppock, Helm, Walmsley, Rhodes & Hyde, Stockport.

**ARNOLD PRODUCTS (LONDON), LTD. (P.C.).**—Capital £1,000. Objects: To acquire the sole and exclusive concession for the contracting and sales rights in the City of London and its environs and/or other agreed localities, of the products manufactured by A. L. Arnold & Co., Ltd., for, *inter alia*, the extermination of rats, mice, cockroaches, beetles, ants, etc. Solicitors: Bridgman & Co., 4 College Hill, London, E.C.4.

**LEKFOSS HEALTH CO., LTD. (P.C.).**—Capital £1,000. Objects: To acquire the trade mark "Lekfoss," and to carry on the business of manufacturers of and dealers in all kinds of foods, cordials, beverages, tonics, stimulants and restoratives, pharmaceutical, medical and medicated foods, etc. The directors are Joseph Chadderton (permanent director and chairman), 81 Camp Street, Salford, 7, and Joseph S. Chadderton.

**B. MIDDLETON (CHEMIST), LTD.**—At a meeting held in Leeds on August 5 it was resolved that this company be wound up voluntarily. Mr. H. R. Tebb, 15 Park Row, Leeds, was appointed liquidator.

**GUERLAIN PARFUMEUR, LTD.**—At a meeting held in Paris on July 29 it was resolved that this company be wound up voluntarily. Mr. R. M. P. Peat, 11 Ironmonger Lane, London, E.C.2, was appointed liquidator.

**WATERSIDE BOARD MILLS, LTD.,** was registered as a "public" company on August 12 with a nominal capital of £600. The objects are to carry on the business of cardboard manufacturers . . . dealers in cardboard cartons, tubes, boxes, containers and cases of all kinds, manufacturers of and dealers

in wallboard, wood pulp and paper pulp, corrugated boxes, and fibre packing cases, etc. The directors are Norman J. Hulbert, 17 Victoria Square, London, S.W.1, and Julian Darwen.

**THE MARCONI-EKCO INSTRUMENTS, LTD.,** was registered as a "private" company on August 6, with a nominal capital of £5,000. The objects are to carry on the business of manufacturing, assembling, repairing, buying, selling, importing, exporting and dealing in measuring instruments of all kinds (electrical or otherwise), diathermy and other medical apparatus, refrigerators, etc., and to adopt an agreement made between Marconi's Wireless Telegraph Co., Ltd., and E. K. Cole, Ltd. R.O.: Electra House, Victoria Embankment, London, W.C.2.

## Voluntary Liquidations

**H. Littler, Ltd.,** 225 Barking Road, London, E.16, chemists. The statutory meeting of creditors was held recently at Ilford, when a statement of affairs was presented which disclosed liabilities of £544 14s. 11d., and assets of £282 os. 7d., from which had to be deducted £50 for preferential claims, leaving net assets of £232 os. 7d. It was reported that the company was incorporated on March 26, 1935, to take over a business carried on by Mr. H. Littler. The capital of the company was £500. Creditors commenced pressing and the shop was closed. The creditors decided to confirm the voluntary liquidation of the company with Mr. S. R. Knight, of Ilford, as liquidator, with a committee of inspection.

**Sergeant Syndicate, Ltd.,** 47-48 Berners Street, London, W.1, Shun manufacturers. The statutory meeting of creditors was held recently at Eagle House, Jermyn Street, S.W.1. A statement of affairs was presented which disclosed liabilities of £503, of which £461 was due to unsecured creditors, while the assets were insufficient by £41 to meet the claims on debentures totalling £60. It was reported that the present position of the company was due to lack of capital, but negotiations were proceeding for the sale of the business as a going concern. It appeared that the receipts from November 14, 1935, to July 22, 1936, amounted to £226, while the expenses for the same period totalled £560. It was decided that the voluntary liquidation of the company should be continued with Mr. Simpson as liquidator, with the assistance of a committee of inspection. The following are among the creditors:—Arthur H. Cox & Co., Ltd., £173; Bengué & Co., Ltd., £85.

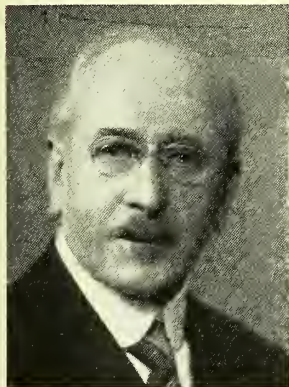
## Private Arrangement

**Alexander Ledger and Edith Adeline Hall,** trading as Ledger & Hall, Pernham Street, Oldham, chemists. A meeting of the creditors was held recently when a statement of affairs was submitted which showed liabilities of £166 17s. 10d. The assets totalled £56 6s. 1d., from which had to be deducted £18 7s. for preferential claims, with a deficiency of £128 18s. 9d. It was reported that the business was commenced fifteen years ago by Mr. Ledger, and Mrs. Hall entered into the partnership in January of last year, when she agreed to pay £150 for a half-share of the business. Accounts had been kept and it appeared that during the year to January 26, 1936, the turnover was £1,027, with a gross profit of £287, and a net loss of £31. From January 27 to July 21 of the present year the turnover amounted to £478, with a gross profit of £56, and a net loss of £74. Those losses were arrived at after allowing for the partners' drawings. The debtors had also carried on business at 98 Greenacres Road. The takings at that shop, however, only averaged £1 10s. a week, and it was closed on July 2 last, and the stock removed to the above address. It was resolved that the assets should be realised either by private treaty or public auction and the proceeds distributed amongst the creditors.



# An Historic Dublin Pharmacy

THERE are perhaps few pharmacies in Ireland to-day which can boast either the traditions or the continuity of Hamilton, Long & Co., Ltd., Lower O'Connell Street, Dublin, who have now marked the one-hundred-and-tenth year of their existence by having a handsome modern front fitted to the parent house, which stands in Dublin's finest thoroughfare. (Brief accounts of this business have appeared in the *C. & D.*, July 27, 1901, p. 129, and June 8, 1929, p. 684.) The original founders of this Medical Hall were Dr. Bewley and Dr. Evans. From this establishment medicines and preparations were sent to every part of the South and West of Ireland and the Midlands by stage coach. At that time few towns in the country had even Apothecaries' Halls.



DR. JAMES A. MITCHELL

During the Victorian regime one of the city's leading physicians, Dr. J. T. Hamilton, came into the business, which changed its name then to Bewley & Hamilton. A few years later there was still a further change when a Mr. Oldham, who owned a Medical Hall at the corner of Grafton Street, became associated with the firm. His establishment was taken over in 1832 and the firm re-named Bewley, Hamilton & Oldham. Branches were also opened then in Kingstown (now Dun Laoghaire) and Rathmines. By the time the Pharmacy Act was passed some of those old founders had died, and Dr. Edward Long, another noted Dublin physician, had come in. It was in 1878 that the business was formed into a private limited liability company under its present title of Hamilton, Long & Co., Ltd. Dr. Long is said to be the originator of the preparation of pepsin known as *Liquor Pepsinae*, an account of which was given in "The Medical Press" of that time. In those days the firm had one of the largest prescription businesses in Ireland. In the time of Dr. Hamilton and Dr. Long pharmacy was indeed a professional calling, concerned only with the making of medicinal preparations, compounding and dispensing. Modern articles such as cosmetics and photographs were unknown, and indeed would have been frowned

upon by people who regarded themselves as a branch of the medical profession.



## THE MEDICAL ESTABLISHMENT,

3, Lower Sackville-street, Dublin,

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**BEWLEY AND EVANS,**

Proprietors.

Agents to SAVORY, MOORE, & Co. Chemists to the ROYAL FAMILY.

Amongst their general Stock of Drugs and Chemicals, the following will be found of superior quality:—

Calcined Magnesia	Flake Manna	Senna Leaves
Cayenne Pepper	Genuine Indian Arrow Root	Spirits of Turpentine
Carbonate of Soda	Gum Arabic	Sulphate of Quinine
Chromone Flowers	Ipecacuanha	Tartaric Acid
Cold Drawn Castor Oil, nearly tasteless	Jinglass of the finest quality	Musk of the finest quality
Cream of Tartar	Oil of Almonds	Tincture of Myrrh for the Teeth and Gums
Castile Soap	Paregoric Elixir	Turkey Rhubarb
Clarified Honey	Peruvian Bark	True Cinnamon Bark
Epsom Salts, Purified	Rochelle Salts	West India Tamarind.
	Saccharilla	

LIKEWISE EVERY DRUG AND CHEMICAL PREPARATION

Directed in the Pharmacopoeia of

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BEWLEY and EVANS are constantly supplied from the respective Proprietors, with Thompson's Genuine CHELSEIAN SALTS; Dr. James' FEVER POWDERS; Henry's MIGNESIA; Savory and Moore's PATENT SEIDLITZ POWDERS, and ABSORBENT LOZENGES; Braithwaite's LANCASTER BLACK DROP, &c. for several of which Articles they are specially appointed AGENTS, also

All other GENUINE PATENT MEDICINES at the London Prices.

Seidlitz Powders, Aroma of Ginger, Lozenges of Cayenne, Hippo, &c. Superior Smelling Salts, Lavender Water, Genuine Eau de Cologne, &c. &c.

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MEDICINE CHESTS fitted up for Families, and furnished with approved Directions.



With rare exceptions, every tincture, extract, pills or other preparations were made by the staff of assistants on the premises. In the peak days of Dr. Hamilton's time the normal daily output of prescriptions dispensed was round about 350.

To the chemists' assistant of to-day enjoying a 48-hour week and a half-holiday the working week in Hamilton Long's during the early part of the present century may well seem strange indeed. The normal hours of business on week-days were from 8 a.m. (7.30 a.m. in summer) to 11.30 p.m. Assistants then lived over the Hall and had all their meals on the premises. Sunday hours were 9 a.m. to 11 p.m., with breaks for meals. In the week-days those who came on in the early morning were allowed off from 9 a.m. to 11 a.m., and similarly those on duty to 11.30 p.m. were given two hours off from 6 p.m. to 8 p.m. Two assistants were always on night duty, and took it in turn to answer the night bell. These assistants took their beds down to a special night room at the back



of the pharmacy premises, where they slept during their week on this duty. This special night room was maintained up to 1916.

In addition to making preparations, dispensing and compounding, chemists' assistants in Hamilton Long's employment were called upon to perform rather unusual duties. Nurses were less numerous in Ireland in those days, so the chemists' assistant was sent out to give enemas, apply leeches, syringe ears, and perform the operations of "dry cupping" and "wet cupping." Business was strictly professional then, and there was more of a medico halo around the chemist and his assistant.

By 1912 the firm had five branches in addition to the parent house at Lower Sackville Street (now known as O'Connell Street).

Now in the one-hundred-and-tenth year of its existence in O'Connell Street Hamilton Long's have had an impressive new frontage installed, in which modern needs and the dignity

which such an old-established business commands are admirably blended. Practically the sole concession to modernity is the unobtrusive neon sign "Chemists." Polished Aberdeen granite is used with fine effect in the base and pilasters, while the entire metal casings are executed in bronze. In the sign an exceedingly artistic effect is obtained by the use of cream lettering on black opalite. The two perfume cases, inset on either side, are a utility idea of originality and merit. The entire effect is well in keeping with the traditions of the house.

Dr. James A. Mitchell, the present managing director of the company, has always been a foremost worker in pharmaceutical affairs. He has been a member of the Council of the Pharmaceutical Society of Ireland for almost a quarter of a century, and represents pharmacy on the Therapeutics Advisory Committee set up by the Government. He is also an active and valued member of the Irish Drug Association and filled the office of president of the parent body, the Dublin and Provincial Retail Drug Association.

## Fine-grain Photographic Developers

**O**RGANIC developers of low reduction potential, such as paraphenylenediamine and glycin are credited with the power of producing negatives of exceedingly fine grain; but these substances, compared with more active developers, are impotent in respect of those portions of a sensitive film which have received the small, but subtle, variations of shadow lighting, states R. B. Willcock ("British Journal of Photography," LXXXIII, 226). Hence, to bring such portions within developable limits, several times the normal exposure must be given. In short, to gain a very doubtful advantage of fine grain, the essential quality of speed must be sacrificed.

The position at the present time is as follows. Super-speed emulsions can be employed in conjunction with paraphenylenediamine, the result being tantamount to a considerable reduction in speed, or, alternatively, slower emulsions can be used in conjunction with normal developers of high activity, carefully adjusted to prevent the growth of the grain, or reduce its size. If the twofold efficiency of a fine-grain developer is to be judged by its simplicity of application and its ability to operate without penalising the user of miniature films, there are few organic developers to choose from; these are: glycin, paramidophenol, metol, and the latter in combination with hydroquinone.

### Importance of Physical Conditions

Temperature should not exceed 60° F. Try out the selected developer with the sensitive materials habitually used. Employ dilute solutions, and test for time of fog-point, exposing to give required development just below this. Use economical tanks and discard developer after use, particularly glycin, which becomes opalescent. Avoid acetic acid fixing baths; use hypo and potassium metabisulphite, and if hardening is necessary, add chrome alum. Prepare developers well in advance of time of using: do not filter, but allow to stand a few days, then carefully decant, leaving sediment at the bottom of the bottle. Wash films quickly and thoroughly, using coarse grit filter on tap. Do not swab over the film surface, rinse both sides. Dry films slowly out of the way of dust, preferably in a cupboard. With the special fine-grain films now available there is little difficulty in obtaining negatives for enlargement up to ten diameters with a normal metol-hydroquinone developer and with some formulas enlargement to twenty diameters is possible.

### Failures with Glycin

Glycin stands alone as the only compensating developer, and is the choice of several successful miniature camera workers. Several of the formulas mentioned to-day, however, are relics of the past, and are unsuitable for use with modern emulsions. Many failures with glycin are directly due to the inclusion of too much sodium sulphite, the amount of which should not exceed twice that of the glycin. Temperature

should not exceed 60° F., beyond which some stain and flatness of the image may result. Experiments with metol, alone and in combination with hydroquinone, have convinced the author that the inclusion of sodium sulphite in quantities large enough to exert a solvent action on the emulsion grains is of doubtful value. A contributory cause of graininess is pronounced fog, which may be due to the nature of the formula employed, or extraneous light. Particularly in the case of hydroquinone developers, a considerable quantity of sulphite is desirable to keep down inherent fog. This is strictly apart from the inclusion of potassium bromide, which functions differently, and contrary to some opinions is absolutely essential in fine-grain tank developers excepting glycin. With metol, which is a clean-working and relatively fog-free developer, a considerable amount of sulphite is required to prevent slight veiling during long development at moderately high temperatures. After thoroughly testing the metol developers of Morse, Cuisinier and Agfa (14), a series of formulas widely differing in sulphite concentration and alkali was prepared. These are given hereunder:—

	A	B	C	D	E
Metol ... ..	10 gr.	15 gr.	10 gr.	10 gr.	10 gr.
Hydroquinone ...	10 gr.	—	—	—	—
Sodium sulphite ...	3 oz.	3 oz.	3 oz.	½ oz.	3½ oz.
Sodium carbonate ...	—	—	—	10 gr.	—
Borax ... ..	25 gr.	15 gr.	10 gr.	—	—
Water ... ..	16 oz.	16 oz.	16 oz.	16 oz.	16 oz.
Developing time ...	16 min. 60°	9 min. 70°	14 min. 60°	14 min. 60°	16 min. 60°

A fair trial of each under normal commercial routine for subjects correctly exposed gave a series of negatives which for grain size would be difficult to distinguish. Formula A gave some fog at sixteen minutes' development, while for the same time E gave a well-graded negative with pronounced yellow stain in the shadows. C and D differed only by greater density of the latter in the high-lights for identical development times of fourteen minutes. Formula B, from which one might reasonably expect fine-grain development under all but exceptional circumstances, yielded from a three times over-exposure, a negative showing visible grain on a contact print, the temperature in this case being increased to 70° F. If it is intended to depart from developers of normal behaviour for the purpose of obtaining fine grain, it is best to base results on the performance of reputed formulas, such as the Kodak 76 and the Agfa 14. According to the author's experience fortified by the experiments mentioned, these may be reduced to three, i.e., that of Morse and White, the D 76 and the Agfa 14. In certain instances which can be decided by the user, the addition of potassium bromide where none is specified, and the addition of one grain of potassium iodide per 20 oz. of tank solution will materially assist in keeping down fog.

SEMI-UNIQUE?—"For sale . . . unique, only one other believed to exist."—Advertisement in "The Times."



# The Nature of Idiosyncrasy

**A**N important paper was read by Professor L. J. Witts, in the Section of Pathology and Bacteriology, at the recent annual meeting of the British Medical Association at Oxford, under the title "Effect of Toxic Substances on the Blood-forming Organs." The paper is printed in "The British Medical Journal" of August 1 (pp. 212-15), from which the following paragraphs are taken:—

## Susceptibility and Idiosyncrasy

Professor Witts introduces his subject by distinguishing between susceptibility and idiosyncrasy. In susceptibility or intolerance, he says, the symptoms are the usual ones of overdosage with the particular drug. A small minority of individuals, however, react to certain drugs in a wholly abnormal manner which is properly called idiosyncrasy. Idiosyncrasy is a peculiarity of constitution whereby the individual reacts differently from the majority of mankind. The symptoms are different from the ordinary symptoms of overdosage and they cannot, as a rule, be reproduced in animals. Susceptibility shades gradually into normal tolerance and insusceptibility, and if we chart the amounts of a drug necessary to produce toxic symptoms in a large number of people we obtain a regular distribution curve similar to a diagram of variations in height or weight. Idiosyncrasy, on the other hand, is sharply demarcated. He illustrates this difference by reference to amidopyrine and to salts of gold used in tuberculosis.

The usual symptoms of overdosage with amidopyrine are sleepiness passing to stupor, rapid heart beat, hyperpnoea, cyanosis, sweating, and collapse. The fatal dose is about 8 grams. If symptoms of this type occurred with a dose much smaller than 8 grams we should describe the patient as susceptible to amidopyrine. In certain individuals as little as 0.2 gram may produce an alarming and entirely different train of symptoms. The individual shivers and feels indisposed. The temperature rises and there is an abrupt fall in the number of white cells in the blood. Fatal agranulocytosis has more than once followed the administration of as little as 1 gram of amidopyrine over a short period of time. These symptoms are obviously different from the usual manifestations of amidopyrine poisoning and are best explained as idiosyncrasy. Experience and statistical calculations show that the susceptibility of mankind to drugs varies within much wider limits than has been realised in the laboratory and in the law courts. Idiosyncrasy makes unreliable any calculation of dosage or prediction of symptoms from animal experiment and can only be discovered by unbiased observation of the experiment of large-scale employment in man. It appears to need at least ten years' extensive use before the harmful properties of a new drug or an industrial hazard can be assessed.

We are only now, Professor Witts continues, beginning to appreciate the hæmotoxic properties of gold, which has been widely used for tuberculosis since 1925, and for rheumatism since 1932. Blood dyscrasias have been observed with different preparations of gold, and they appear to be caused by the gold, and not by the sulphur or the benzene ring which some of the salts contain. The ordinary symptoms of overdosage with a gold salt are fever, malaise, albuminuria, stomatitis, vomiting, diarrhoea, erythema, exfoliative dermatitis, and focal reactions in the disease under treatment. The majority of the hæmatotoxic accidents of gold therapy have occurred after the administration of doses well within the usual therapeutic limits and during a first or second course of treatment.

## Nature of Idiosyncratic Reaction

The causes of unusual susceptibility and idiosyncrasy to a drug are obscure. Drug idiosyncrasy seems to have no ætiological relation to the toxic idiopathies or asthma-eczema-migraine group of diseases. An hereditary liability is suggested by the occurrence of agranulocytosis in different members of the same family. Females more often develop agranulocytosis, toxic purpura, and aplastic anæmia from chemical agents than males, but they are probably more exposed to risk in health and sickness. Probably once the marrow has been damaged it is more vulnerable to other poisons. Local predisposition may also be important: women who have always

bruised easily have been thought to be more liable to toxic purpura from gold, and the predilection of agranulocytosis for middle-aged women may be associated with the frequent occurrence of moderate leucopenia in the same group. The disease for which the treatment is given may have an influence, and some have thought that the blood-forming organs are more likely to suffer damage from the use of gold in rheumatoid arthritis than in tuberculosis.

In some cases of idiosyncrasy, such as agranulocytosis from amidopyrine, a mechanism akin to anaphylaxis is present, an initial dose being necessary to sensitise the patient. A certain total quantity of amidopyrine, which is usually relatively small, must be ingested before this sensitisation develops. The abrupt fall in the white cells when amidopyrine is ingested by the sensitised subject—sometimes preceded by a brief leucocytosis—is an explosive phenomenon which is strictly comparable to the diminution of the white blood cells in patients with food allergy. Efforts have been made to obtain skin reactions by injecting the drug or mixtures of the drug with serum intradermally, but one would hardly expect skin reactions to be any more constant or reliable than in other forms of alimentary allergy.

## Delayed Action

For various reasons, such as the time taken for sensitisation to develop, or for toxic substances to accumulate to a critical level in the body, or for repeated injuries to exhaust the reserve forces of the organism, signs of injury to the blood-forming organs may not be detected until the individual has been exposed to a toxic substance for some time or indeed until after exposure has ceased. It seems that injury to the marrow, once started, may progress without further intoxication. . . . In one of the author's cases agranulocytosis developed two months after the last dose of amidopyrine. It is not known how long amidopyrine sensitivity lasts, but certainly for years, and possibly for life. The depression of blood formation induced by a substance like benzol may proceed inexorably to complete aplasia of the marrow and to death long after exposure has ceased, and despite all treatment. If death does not occur, months may elapse before the blood is restored to normal, and cases such as those referred to by the author make one wonder whether recovery is ever really complete. In patients with agranulocytosis it is usually six to twelve months after suspension of amidopyrine before the white count is stabilised at a normal level, and doubtless much longer before the ability to produce a maximal leucocytosis is regained. The toxic purpuras usually recover more rapidly, but Secher describes a case in which thrombocytopenia following gold treatment had persisted for six months at the time of writing. A severe aplastic anæmia is usually fatal.

In the course of a two-column editorial article on this paper, "The British Medical Journal" urges the desirability of further restrictive measures in limiting prescribing:—

"It would seem reasonable to insist that no new substance be offered to or prescribed for the public as a medicinal substance until it has been tested thoroughly for toxicity, cumulation of drug, cumulation of main effect or of undesirable side actions, and for common animal idiosyncrasy in accordance with some strict and discriminating procedure laid down by a competent official authority. The sale of new drugs which fail to pass the tests should be prohibited. Drugs eventually exhibiting after wider use a tendency to provoke serious idiosyncratic reaction could be withdrawn if it were judged that the advantages secured by the drug were insufficient to compensate for the catastrophes associated with its use. It is difficult to see why the prescription of drugs like amidopyrine and cinchophen should be permitted for another moment in the face of the numerous fatalities on record.

"A still stricter view can be taken of the situation, and it might seem to be in the best interests of the nation that the sale of any new drug should be prohibited unless it could be shown to possess some substantial therapeutic advantage over those already in service."

From regulation to prohibition, however, is a step involving a question of principle which would need the careful consideration of the Legislature before it was adopted.



# A Study of Psychoanalysis Insurance Act Dispensing

**A**TRENTCHANT STUDY entitled "The Value of Psychoanalysis as a Therapeutic Procedure" has been contributed to a recent issue of "The Journal of the American Medical Association" (107, 5) by Dr. Harold T. Hyman of New York. Dr. Hyman begins by calling attention to the difficulty, when this subject is under consideration, of obtaining "tangible clinical information": he instances a recent publication issued by the Columbia University Press, containing in the course of its 432 pages only eleven devoted to therapeutic topics, "without a single word relative to indications, contra-indications, results or cost of therapy." Dealing first with the cost, the author points out that undoubtedly psychoanalysis is expensive. Figures adduced lead to the conclusion that

"the total fee for the analysis may be estimated at an average of between \$5,000 and \$6,000. . . . The acceptance of the patient by the analyst is often dependent on the size of the fee which the patient can pay in proportion to the premium which the psychoanalyst places on his free time. The explanations which the analysts offer for their economic standards appear to be sheer rationalisation. They aver that co-operation is not complete unless the patient makes a significant economic sacrifice."

Dr. Hyman rounds off this aspect of his subject with a caustic comment on the further statement that a diminished income adversely affects the analyst himself. He suggests that either the psychoanalyst is "rationalising his greed" or his lack of confidence in himself "borders on a true neurosis."

Another element in the author's indictment is the reticence of the psychoanalyst towards the medical profession in general and even towards the physician who has sent him patients. "It is only exceptionally, and then on repeated demand, that I have been able to obtain any intelligent information concerning the progress and welfare of my patients." Even assuming that an interim report on a case may, through some leakage of information, embarrass the patient concerned, what can prevent such a report being imparted confidentially to the referring physician after the course of analysis has ended? Moreover, "in sharp contrast to the taciturnity of the analysts toward the practitioner is their volubility in discussing their work privately in the living room, over dinner tables, before meetings of mothers, social service workers, zealous pedagogues, criminologists, the literati, the artists, the intelligentsia, and other non-critical groups who possess neither the knowledge nor the authority to question the delineator of the beguiling peregrinations of the human mind and soul."

Finally, Dr. Hyman endeavours to estimate the results in two series of cases, comprising forty-three patients in all. Separating from these a group of twenty-eight for reasons given, he is of opinion that seventeen of them were distinctly benefited by their analyses, and that eleven "experienced no significant benefit." In four instances "the analytic cure could be applauded without reservation." In summing up his conclusions he remarks:—"Before the middle twenties only the unusual individual can obtain any insight into the procedure. Beyond the age of forty or forty-five there seems to be little possibility of altering individuals. The successful patient must be the possessor of a plastic and a trained intelligence and, as a general rule, such patients have been recruited from the professions or the arts. The average man or woman is wholly unable to grasp or utilise this form of therapy. Those with profound and serious psychiatric disorders have neither the receptive attitude nor the moral fibre to profit from the information that is disclosed."

**IONISATION OF THE NASAL MUCOUS MEMBRANE.**—Discussing the results obtained with zinc ionisation in twenty cases of hyperæsthetic rhinitis and ten cases of hay fever, L. B. Bernheimer, in "The Journal of the American Medical Association" (106, 23, 1980), states:—"The clinical course of hyperæsthetic rhinitis was influenced in only 5 per cent. of twenty-five patients who were treated with ionisation. Slightly better results were obtained through the use of escharotics. The clinical course of hay fever was not altered by the use of either ionisation or escharotics. Ionisation of the nasal mucous membrane carries a definite risk of complications that do not present themselves through the use of escharotics."

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

## ENGLAND AND WALES

**London.**—The annual report of the Pharmaceutical Committee for the year ended June 30 includes a table of which the following is an abridgment:—

Year	Number of insured persons	Number of prescriptions	Average cost per prescription	Average cost per insured person
1913	1,311,506	5,881,814	6.30d.	28.54d.
1920	1,542,585	4,903,047	9.50d.	30.19d.
1925	1,608,973	7,408,518	8.16d.	37.57d.
1930	1,886,169	8,129,038	7.63d.	32.80d.
1932	1,917,033	8,519,101	7.69d.	34.19d.
1934	1,786,500	8,482,787	7.79d.	37.00d.
1935	1,765,402	8,561,492	7.82d.	37.93d.

The reduction in the total number of insured persons in 1934 was due to the Insurance Committee removing duplicate names from the index register of insured persons on doctors' lists. Insulin cost £7,743 (32,977 prescriptions) in 1935, against £9,392 (31,357 prescriptions) in 1934. The under-mentioned articles and preparations which are not allowed as part of medical benefit have been supplied by chemists and paid for by the Insurance Committee; the total value, including dispensing fees, was £34 14s.:—(a) Appliances (433 prescriptions): Arch supports, arm slings, atomisers, inhalers, spray, etc., bandages (non-scheduled), belts, surgical, catheters (not urethral), comedo extractor, corn pads and adhesive felt, douches, large, douches, small (eye and nose), dressings (non-scheduled), ear-sticks, elastic hosiery, eyeshades, finger- and thumb-stalls, funnels, hypodermic needles and syringes (not for insulin), litmus paper, pessaries (not ring), pneumonia jackets, sputum flask, syringes, temperature charts, thermogene and capsicum wool, thermometer, clinical, trusses, tubes and rods, glass, tubes, rubber. (b) Preparations (72 prescriptions): Charcoal biscuits, fumigating pastilles, Glaxo, Marmite, Ovaltine, peptonising powders, prepared barley and oats, Roboleine, saccharin tablets, salt substitute, Sanatogen, tragacanth powder, Virol.

**Northamptonshire.**—The Pharmaceutical Service Subcommittee reported to the Insurance Committee at a recent meeting that a chemist had dispensed a prescription inaccurately. The chemist wrote to the effect that he was temporarily using large scales, which proved to be inaccurate, for weighing. He attended a meeting of the Subcommittee and substantiated his written statement. It was recommended that a warning be sent. Expenditure on medical benefit during last year included the following items: To doctors, for treatment, £42,128; to doctors, for medicine, £4,530; to doctors, for mileage, £3,490; to chemists, for medicine, £6,218.

**Wiltshire.**—At a recent meeting of the county Insurance Committee it was reported that one chemist had been fined £3, with a warning, for the inaccurate dispensing of a test sample, and another chemist had been fined 10s.

"BULLETIN OF THE IMPERIAL INSTITUTE."—The publication of the "Bulletin of the Imperial Institute" has been undertaken by the Institute, with effect from Vol. 34, No. 1. The price has been reduced to 2s. 6d. per number (by post 2s. 9d.), annual subscription 10s., post free.

**PHARMACY IN JAPAN.**—Medical and pharmaceutical questions are the subject of an investigation by a special committee of the Minsëito (Government Party) in Japan. Advocates of compulsory separation of prescribing and dispensing, and for a continuance of the present freedom, are being heard. An official of the Home Office, Tokyo, expressed the following views: "Pharmacists insist on the adoption of a legal system of medical and pharmaceutical separation. Such a system involves many practical difficulties. I am in favour of a technical separation, under which physicians examine patients as required by law while pharmacists prepare medicine to prescriptions. For pharmacists to cling to their present right of conducting consulting rooms and at the same time of preventing doctors from preparing medicines means that no workable system could be possible."



## A Quaint Prescription

ONE of our readers, while turning over the leaves of the second volume of William Rowley's "The Rational Practice of Physic," found an original prescription dated August 10, 1849, which he has forwarded for our inspection. We reproduce one-half of the prescription in slightly reduced facsimile; the other half, written on the opposite side of the paper, reads (omitting the "R," initials and date):—

Gum Myrrh  
Prep. Natron aa ʒij  
Salt Steel .. ʒj  
Mint Water .. Mviij  
Cap. ʒj ter in die

The prescriber's method of indicating his wishes leaves something to be desired. The "M" before the "viij." has a stroke through it like that of the "M" after the oil of "Caraway's," and the symbol is presumably a slip. The quantity of calomel is difficult for the dispenser to decide until he sees the total number of pills, when it becomes clear. The ecphractic pill is spelt without its second "c"; and the mixture of Latin and English is suggestive of a hasty writer.

The mixture ordered does not differ greatly from the official *mistura ferri composita* which survived till the arrival of the

*In Miss Greville's*  
*Pil. ecphractic ʒij*  
*Oil. Caraway's ʒij*  
*Prep. Calomel gr. f.*  
*Simp. Symp. 9. S. Symp.*  
*in Pilule. 7 7 7.*  
*b. 2. bis die*

1932 British Pharmacopœia; prepared natron is sodium carbonate, and salt of steel (*sal Martis*) is ferrous sulphate. Ecphractic pill has the following formula in the 1836 edition of Gray's Supplement:—*Pil. aromat. ʒijj.*, *rhei*, ext. gent., *sal. Martis*, aa. ʒj., *sal. absinth. ʒss.*, *symp. rosar. solut. q.s.* *Pilula aromatica* contained *Socotrine aloes*, *guaiacum*, *balsam of Peru* and aromatic species. The word "ecphractic" means "aperient" or "deobstruent," and Gray gives "female pills" as a synonym for this formula.

William Rowley, M.D., whose four-volume treatise appeared in 1793, lived in Savile Row. There appears to be no medical practitioner in that famous street at the present time; but we believe that the late Dr. Montague Murray, then editor of Quain's Dictionary, lived there before he removed to Manchester Square. Rowley's book is still quite readable, and such headings as "Dogs Supposed Mad" and "Medical Advice for the Use of the Army and Navy, in the American Expedition, or Serving in Hot Climates" arose curiosity. It was sold by E. Newbery, of St. Paul's Churchyard, well known as publisher and patent-medicine proprietor.

LETTERS OF LINNÆUS.—In a letter appearing in a recent issue of "The Times Literary Supplement" the librarian of Upsala University, writing from Burlington House, London, W.1, asks for details of letters of Linnæus which may be hitherto unknown apart from the collectors who own them.

THE CENTRAL NEWS AGENCY, LTD., 5 Rissik Street, Johannesburg, have been appointed agents for the Pomeroy original beauty products in the Union of South Africa (including South-West African Mandated Territory), Northern and Southern Rhodesia, Portuguese East Africa, Nyasaland, Tanganyika, Uganda and Kenya Colony.

## Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1936, p. 322.

(From "The Trade Marks Journal," August 5, 1936.)

- "DUFAYCOLOR"; for colour photographic films (1). By Dufaycolor, Ltd., Aldwych, London, W.C.2. 559,427. (Associated.)
- "VYLETA"; for disinfectants, excluding soap (2). By The Hygenol Co., Ltd., 75 Low Road, Hunslet, Leeds. 568,816.
- "HOMACOL"; for veterinary disinfectants and soaps (2), for medicated soap (3), and for perfumed soaps (48). By The Horton Manufacturing Co., Ltd., 31 Ebury Road, Rickmansworth, Herts. 569,597/598/600. (Associated.)
- "TURIOFINS"; for catarrh preparation (3). By Dr. R. and Dr. O. Weil, 11 Grunestrass, Frankfurt-on-Main, Germany. 565,046. (Associated.)
- "JERROFAN"; for bronchial asthma preparations (3). By R. L. Mayer, Bad Reichenhall, Luitpoldstrasse 2, Germany. 567,799.
- "MOIAFA"; for medicinal chemicals (3). By Rheu-Mogen, Ltd., 4 Cleveland Place East, Bath. 568,366.
- "OXA-PED"; for medicinal chemicals (3). By Expert Publicité Internationale, 7 Rue Auber, Paris (IX). 568,502.
- "EA-SINE"; for ointment (3). By Herbal Remedies, 118 High Street, Islington, London, N.1. 568,624.
- "CREMALKA"; for medicinal chemicals (3). By Allen & Hanburys, Ltd., 37 Lombard Street, London, E.C.3. 568,748.
- "ENAPINE"; for medicated preparations (3). By S. W. Bearman, 154 Greenford Road, Harrow, Middlesex. 568,831.
- "BRYLCREEM" on label design; for hair creams (48). By The County Perfumery Co., North Circular Road, Park Royal, London, N.W.10. 565,276. (Associated.)
- "CALAVOS"; for perfumery, etc. (48). "SOLEIL BRULANT"; for face powders (48). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 567,326. (Associated.) 569,106.
- "SORELLE"; for all goods (48). By Pro-Medico Medicinal Products, 22 Turle Road, London, N.4. 568,630.
- "NUTRI"; for hair waving sachets (48). By Cadex (England), Ltd., 15 Cavendish Place, London, W.1. 568,801.
- "BIOSTATIC"; for perfumery, etc. (48). "LECTROSTATIC"; for face powders and creams (48). By Tokalon, Ltd., Chase Road, London, N.W.10. 569,192/193. (Associated.)

### APPLICATION AMENDMENTS

The specification for "ABDOMETES" in Class 3, No. 567,215, by Seajoy Co., Ltd., has been amended to "medicated digestive and laxative preparations for human use."

The specification for "SORMAL" in Class 3, No. 567,959, by British Drug Houses, Ltd., has been amended to "medicated preparations containing magnesium silicate for human use."

(From "The Trade Marks Journal," August 12, 1936.)

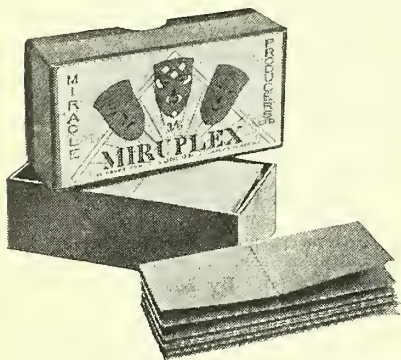
- "RHODIFAX"; for photographic chemicals (1). By Société des Usines Chimiques Rhone-Poulenc, 21 rue Jean-Goujon, Paris (8e). 569,709.
- "OZAPHANE"; for photographic films (1). By British Ozaphane, Ltd., 72A Carlton Hill, London, N.W.8. 569,818.
- "DECHULO"; for manufacturing chemicals (1). By Weeks & Co. (London), Ltd., Laurence Pountney Hill, London, E.C.4. 570,004.
- "SOLUSEPTASINE"; for veterinary chemicals, etc. (2). "PROSEPTASINE"; for medicinal chemicals (3). By May & Baker, Ltd., 42 St. Paul's Churchyard, London, E.C.4. 568,033/034. (Associated.)
- "OUR PALS"; for veterinary chemicals (2). By H. Black, 2 Holycroft Avenue, Belfast. 569,166.
- "NERASAL"; for medicated salts (3). By T. G. Oakley, 5 Park Court, Clapham Park, London, S.W.4. 568,868.
- "L. TELL"; for medicinal chemicals (3). By L. Tell, Frankfurter Allee 56, Berlin. 569,178. (Associated.)
- Shield device with letters D. N. K.; for medicated preparations (3). By A. M. Hogarth, 143 Golders Green Road, London, N.W.11. 569,471. (Associated.)
- "CHAMPIC"; for all goods (3) and (48). By Les Parfums Chypron, S.A., 56 Rue Louis Blanc, Courbevoie (Seine), France. 569,485/486. (Associated.)
- Label design with name "Hervea"; for medicinal chemicals (3). By H. J. Lee, 3 Alfred Place, London, W.C.1. 569,658. (Associated.)
- "ANOLA"; for headache and nerve tablets, etc. (3). By H. Clark, 38 Cowdenhill Circus, Glasgow, W.3. 569,656.



## Trade Notes

**BONUS OFFER.**—Katherine Howard (Room 60), 6 Bryanston Street, London, W.1, is making a special bonus offer of Eyelash Grower and Wrinkle Oil. Applications for details are invited.

**SCIENTIFIC FACE REJUVENATION.**—Miracle Producers, Ltd., 36A Bruton Place, Berkeley Square, London, W.1, have introduced a novel method of removing wrinkles by means of Miruplex, which is an adhesive appliance to be cut in the requisite shape. The theory behind this application is to hold the skin into position and iron out wrinkles. An account of its use appeared recently in the "Sunday Graphic."



**BYRLCREEM.**—A front page in colour appears in the "Daily Mail" on August 22. Byrlcreem is prepared by the County Perfumery Co., North Circular Road, West Twyford, N.W.10.

**SALICYLATES.**—Graesser Salicylates, Ltd., Sandycroft, Chester, invite inquiries for commercial and pharmaceutical grades of salicylates. All products offered by them are made under laboratory control.

**BURROUGHS WELLCOME & Co.,** Snow Hill Buildings, London, E.C.1, inform us that their warehouses will be closed on August 31 for stocktaking. Only emergency orders can be executed on that day.

**HONEYCOMB SPONGES.**—Butler & Crispe, 80-84 Clerkenwell Road, London, E.C.1, offer a comprehensive range of selected honeycomb sponges, in cellophane-fronted showcases.

**EXERCISE FLICKERS.**—Wright, Layman & Umney, Ltd., 44-50 Southwark Street, London, S.E.1, offer exercise "Flickers" free in exchange for wrappers from Wright's Coal Tar Soap. The new "Flicker" showcard is available for window or counter display, and showcards are obtained on application.

**DISPLAY MATERIAL.**—The Crookes Laboratories (British Colloids, Ltd.), Park Royal, London, N.W.10, make an offer in the advertising pages of this issue of display material, which is issued in support of the national Press campaign on behalf of Crookes' pure halibut-liver oil. Illustrations of the showcards are given elsewhere in this issue.

**NUFIX WINDOW DISPLAY.**—The result of the Nufix window



display contest has been published, the first prize winner being Mr. F. C. Stock, 54 Otley Road, Headingley, Leeds. The winning window is shown above.

**MEDOL ANALGESIC OINTMENT** and iodine-medol aseptic ointment are advertised elsewhere in this issue. Applications for trade terms and full particulars are invited by Pearson's Medol, Ltd., 172 Buckingham Palace Road, London, S.W.1.

**WOOD BROS. GLASS CO., LTD.,** inform us that their Borough Flint Glass Works, Barnsley, will be closed for the local holiday on August 24 and 25.

**EAU DE COLOGNE.**—Jane Seymour, Ltd., 23 Woodstock Street, Bond Street, W.1, has issued an attractively packaged eau de Cologne. It is supplied in a smoked glass bottle, and contains approximately five ounces. This eau de Cologne is issued as a companion product to Petal Dusting Powder. The product itself is delightfully fragrant.



**CHEKALEKE PLUGS.**—The International Bottle Co., Ltd., 48 Fore Street, London, E.C.2, have issued Professor Flint's Chekaleke Plugs, which are stated to be most effective against leakage and evaporation. They are supplied in five different sizes, and booklets containing full details and instructions for use may be obtained on application.

**LADDERIX** has been introduced to prevent the destruction of ladies' stockings by laddering. Ladderix is issued by S. E. Daw & Co., Astor House, Aldwych, London, W.C.2.

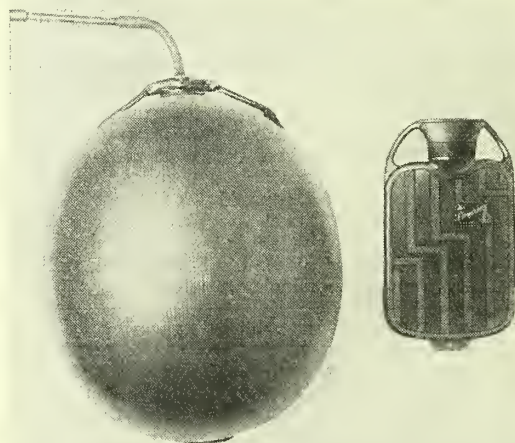
**AGFA PERFUMERY PRICE LIST.**—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, have sent us an advance copy of the new Agfa Perfumery price list, which describes new and interesting products intended for manufacturers.

**HOT WATER BOTTLES.**—Reliance Rubber Co., Ltd., Cremorne Works, Lots Road, London, S.W.10, are advertising in this issue Reliance seamless-moulded hot water bottles of their own manufacture. An illustrated list is obtainable on application.

**FREE GOODS FOR DISPLAY.**—J. C. Gambles & Co., Ltd., 211-215 Blackfriars Road, London, S.E.1, are offering a display bonus of thirteen to the dozen on L'Onglex articles. A bakelite display stand is sent free with all orders. Details are given elsewhere in this issue.

**NEW DOG FOOD.**—Chappel Bros., Ltd., Pendleton, Manchester, have made a meat food for dogs, packed in tins and ready to eat and described as Chappie. Inquiries and orders may be sent to the usual wholesalers, or to Chappel Bros., Ltd.

**NOVEL HOT WATER BOTTLE.**—Illustrated herewith is the Pompadour hot water bottle, inflated in order to demonstrate



its strength. This bottle is issued by the North British Rubber Co., Ltd., 204-208 Tottenham Court Road, London, W.1.



## Marriages

BRUCE—GAULD.—At Holburn Central Church, Aberdeen, on August 12, Douglas John Bruce, M.P.S., to Mabel Gauld.

DAVIES—ELLIOTT.—At St. Thomas's Church, Dudley, on August 12, Ewart Norman Davies, M.P.S., Warley, Birmingham, to E. Marjorie Reed Elliott.

DOBSON—ELLIOTT.—At St. Mary's Church, Walmer, Deal, on August 5, Alan Fullforth Dobson, son of Mr. E. J. Dobson, chemist and druggist, Deal, to Faith Elizabeth Elliott.

FORRESTER—HARROLD.—At Castlehill Church, Forres, on August 7, David R. Forrester, M.P.S., to Ella Harrold.

HICKMAN—FERNIE.—At the Church of St. Mary Magdalene, Woodstock, on August 8, Arthur Marsh Hickman, M.P.S., 108 High Street, Oxford, to Margaret Elsie Fernie.

HOLMES—MEYRICK.—At the Church of the Holy Apostles, Claverton Street, London, S.W.1, on August 4, Thomas F. Holmes, M.Sc., son of Mr. E. Holmes, "White Knights," Durham, to Maureen Meyrick, B.A., eldest daughter of Mr. H. Corbett Meyrick, L.P.S.I., M.P.S., 75 Claverton Street, S.W.1.

JENSON—BOUGHEY.—At Nottingham, on August 12, William Stanley Jenson, M.P.S., 705 Ilkeston Road, to S. Boughey.

PEARCE—GOODHEW.—At the Parish Church, Tunstall, Kent, on August 2, Arthur Ernest Pearce, chemist and druggist, Sittingbourne, to Evelene Doris Goodhew.

WOOD—ADAMS.—At Dalkeith, recently, James Wood, chemist and druggist, to Elizabeth Adams.

## Deaths

CROMBIE.—Recently, Mr. Peter Rintoul Crombie, chemist and druggist, 788 Springfield Road, Glasgow. Mr. Crombie qualified in 1894.

KNEALE.—At Wallasey, on August 3, suddenly, Mr. Arthur Maxwell Kneale, chemist and druggist. Mr. Kneale qualified in 1905.

STEPHENS.—On August 2, Mr. Alan Stephens, chemist and druggist, manager of the drug department of the Pontefract Industrial Co-operative Society, aged forty-five.

TOLMIE.—On July 16, Mr. John Tolmie, chemist and druggist, 3 Cherry Tree Court, London, E.C.1. Mr. Tolmie qualified in 1903.

WILSON.—At 4 Alexandria Terrace, Ayr, on August 6, Mr. Richard Mackie Wilson, chemist and druggist, 10 Tarn's Brig, Newton. Mr. Wilson, who qualified in 1900, took the shop at Newton ten years ago, and became well established. He was a close student of botany.

## Personalities

MR. BERNARD J. KING, chemist and druggist, Goring, has been elected chairman of the local football club.

MR. J. M. POWELL, Reading, has been appointed Deputy Director of Ceremonies of the Provincial Grand Lodge of Berkshire Freemasons.

MR. I. E. GREY, chemist and druggist, Kilburn, London, N.W.6, recently addressed the Willesden East Rotary Club on "Pharmacy as a Profession."

MR. ARTHUR UPSON, F.S.M.C., chemist and druggist, Maidenhead, is Mayor-elect of the borough. This will be the second occasion on which Mr. Upson has held office, his previous term being in 1907-08.

MR. DOUGLAS GEE, chemist and druggist, Stockport, while climbing down a rock at Stoney Middleton, recently, slipped

and broke his leg. Ramblers helped him down the cliff face to the road, and he was taken to the Royal Infirmary at Stockport.

MR. E. H. FAGG and MR. R. PIERCE, the respective winners of a Leverhulme and a Fairchild scholarship this year, were apprenticed to Savory & Moore, Ltd. Mr. Fagg served his articles at Folkestone and Mr. Pierce at Brighton.

CERTIFICATES OF NATURALISATION have been granted to L. Banszky, physician, 5 Meadway Close, London, N.W.11; R. J. M. Burg, chemist, 83 London Road, Newark, Nottinghamshire; C. P. R. Julliar, chemist, 11 Crondace Road, Fulham, London, S.W.6; R. X. Schwartz, doctor, 18 St. George's Road, London, S.W.1.

MR. J. ELSWORTH ALCOCK, Ph.C., 69 Churchfield Road, Acton, London, W.3, is retiring after thirty-eight years in business, twenty-one of which have been spent in Acton. Mr. Alcock passed the Major examination in 1894, and after experience as manager commenced business on his own account in Sheffield, his native city, where he remained till he removed to Acton. In 1932 he was elected president of the West Middlesex Chemists' Association, of which he is now treasurer.

## Business Changes

REINE DES CREMES, LTD., have removed to Bilton Road, Perivale, Middlesex. Telephone: Perivale 2241.

MR. S. R. HUGHES, chemist and druggist, has acquired the business of Mr. J. Elsworth Alcock, Ph.C., 69 Churchfield Road, Acton, London, W.3.

CRESCENT PREPARATIONS CO., LTD., 27 Old Bond Street, London, W.1, have appointed to the board of directors, in succession to the late Lady Alington, Mr. H. T. Hill, who has been sales manager of the company for the past two years.

## Recent Wills

MR. GIBBON SIMPSON, Knutsford, chemist and druggist, who died on March 18, left estate gross value £1,816, with net personalty £484.

MR. DAVID McCUTCHEON, Dennistoun, Glasgow, chemist and druggist, who died on March 19, left personal estate in Great Britain valued at £6,126.

MR. RALPH GEORGE GOVIER, Egremont, Cheshire, chemist and druggist, who died on April 21, left estate gross value £1,481, with net personalty £1,272.

MR. CHARLES WILLIAM MATTHEWS, Ph.C., Victoria House, Anson Road, London, N.W., who died on June 12, left estate gross value £4,797, with net personalty £4,704.

MR. WALTER GEOFFREY JACKSON, Chiddingfold, Surrey, for many years chairman of the Whitwood Chemical Co., Ltd., who died on May 17, left estate gross value £171,754, with net personalty £162,561.

MR. JAMES SAMUEL GRAY, Ashways, Bickley, Kent, managing director of British Pepper & Spice Co., Ltd., and of White, Palmer & Co., Ltd., Mincing Lane, London, E.C., spice merchants, who died on December 7, 1935, left property gross value £94,923, with net personalty £84,521.

## Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

M/19. Blewitt's cattle salve  
B/19. Dent's toothpicks  
D/18. Hordeolin  
H/19. Liquid lipstick  
S/78. Melsek insecticides

M/19. No-Nek-Tan  
H/18. Rasco bandage fastener  
(present address)  
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# THE CHEMIST AND DRUGGIST

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## Apothecaries' Assistants Pother

FOR some weeks past the correspondence columns of THE CHEMIST AND DRUGGIST have contained an interesting series of letters in regard to the resolution raised at theournemouth Conference by the Manchester and Salford Branch of the Pharmaceutical Society with reference to apothecaries' Hall assistants. The resolution was as follows:—"That steps should be taken to discourage the training of Apothecaries' Hall students by pharmacists in institutions, in shops and in schools of pharmacy." A point which strikes a reader of this correspondence is the vigorous defence made on behalf of Apothecaries' assistants by the registrar of the Society of Apothecaries, Mr. Henry Cooper, and the secretary of the Association of Certificated Dispensers, Mr. Graham Bott. In passing, one may well comment on the good fortune of these assistants in possessing champions to defend their rights so vigorously. The registrar pointed out in his letter that every candidate for the Assistants' examination was advised to seek the qualifications of the Pharmaceutical Society, if he wished to make progress. The recognition of the apothecaries' assistant by the Pharmaceutical Society in the immediate post-war years is now a matter of history; and although at the present time, as the law stands, there is no possibility of apothecaries' assistants receiving official recognition, yet it is obvious that so large a body of persons, accepted as sufficiently qualified to handle dispensing for doctors who dispense, cannot be lightly set aside by any Conference resolution. The relative merits of the holders of the Assistants' diploma and qualified pharmacists have been discussed, and interesting views have been put forward on both sides; the fact remains that a formidable percentage of the dispensing done in this country is carried out by apothecaries' assistants. It is not for us to express any views as to which side has the better right. So far as historical data are concerned, however, there is no doubt that the apothecaries' assistants were earlier on the scene as dispensers, as a result of the statutory authority given to them under the Apothecaries' Act of 1815.

We allude to this fact so that pharmacists may realise that the official attitude towards reservation of dispensing to pharmacists, which, we are given to understand, is an important plank in the pharmaceutical platform, cannot be put forward without consideration being given to the claims of apothecaries' assistants as dispensers of medicine. One is bound to ask what is likely to happen to apothecaries' assistants in the event of dispensing being reserved to pharmacists. Dentists as a profession chose to ignore the claims of unqualified practitioners in dentistry so long that when, in 1921, the time came for closing up the ranks some measure of recognition had to be given to unregistered dental practitioners; and the result is that, for at least a generation, the Dentists Register will continue to be adorned with dentists who have passed no examination. If there is to be any chance of success in the matter of assuring dispensing for chemists, it should be borne in mind that the apothecaries' assistant must necessarily be considered. Pharmacists are already well informed

as to what is likely to happen to trade as it stands at present when or if dispensing is reserved to the pharmaceutical community; yet an important point, seldom raised, is: will this mean further dilution of the Register? Obviously, a large number of apothecaries' assistants cannot be left high and dry by any Act of Parliament, for such legislation would constitute a step against the public interest. The examination results issued by the Society of Apothecaries, so far as dispensers are concerned, are no indication whether or not the successful candidates are men or women. It is probable, however, that a greater percentage of women seek the Society's examination; and although it has been stated that the majority of these marry and leave the profession, yet if the privilege of keeping open shop were granted to them, there is little doubt that those who were so minded would not hesitate to start business and compete with registered pharmacists. Mr. Graham Bott, in his letter (*C. & D.*, August 15, p. 210), concludes with the statement that "there appears no reason why the duly qualified dispenser of the Society of Apothecaries should not enjoy equal rights and privileges in the profession of dispensing as those possessing other dispensing qualification." If there is any fault in this statement it does not lie with the Association of Certificated Dispensers, who are acting within their legal rights. Reservation of dispensing to pharmacists, therefore, is not the easy goal it seems, for obviously reservation to pharmacists may mean dilution of the Register by certified dispensers of the Society of Apothecaries. As a result of the Pharmacy and Poisons Act, 1933, we have seen that pharmacy, so far as the sale of poisons is concerned, has been disastrously diluted by the addition of all types of retailers who are willing to add poison sales to their business. The point we have put forward is one which may be carefully considered by chemists' associations and members of the Pharmaceutical Society's branches throughout the country during the forthcoming winter session.

## A Registration Centenary

ON August 17, 1836, the Royal assent was given to an Act known shortly as the Births and Deaths Registration Act, 1836. Section 6 of the Act provided that the Registrar-General for England and Wales should compile annually a "General Abstract . . . in such Form as the said Secretary from Time to Time shall require"; and this provision has resulted in the series of reports from which we have obtained statistics of deaths by poisoning and other matters of public interest have been derived. The Bill that became the Act of 1836 had a predecessor two years earlier. This went the way of many parliamentary Bills; but its successor had a more fortunate history. The first reading was given in the House of Commons on February 17, and on June 28 it was read the third time and sent to the House of Lords. A few petitions were presented for or against the Bill: among those who took alarm were parish clerks, and they variously requested that their interests might be conserved or that they might be compensated. On August 1 the Lords reached the third reading stage; and with the final adjustment of amendments between the two Houses the Bill of fifty sections and seven schedules was ready for the Royal assent.

We made a general survey of the Registrar-General's annual reports, so far as they relate to deaths by poisoning, nine years ago (*C. & D.*, 1927, II, 544). We then suggested



that these reports (now known as "annual statistical reviews") were susceptible of improvement in two respects; and it may be opportune to repeat a few sentences:—

In the first place, the names of the actual poisons, after ninety years' experience, might well be given with more precision. . . . In the second place, the form in which the returns are presented leaves much to be desired. It is hardly consonant with the traditions of an important Government department to tabulate four or five poisons and to present the remaining eighty or ninety in a series of chaotic footnotes which may, indeed, have a similar typographical appearance for a few years in succession, but on examination prove to be an almost impenetrable thicket.

Although ten years have gone and the Poisons Board has come since those words were written, the arrangement of the Registrar-General's annual statistical reviews remains as primitive as ever. Whether our medical contemporaries enjoy the task of drawing distinctions (if any) between such pairs of substances as hydrochloric acid and spirit of salt we do not know: we, for our part, fail to extract any amusement from the process. We venture to suggest (since "constructive" criticism is the order of the day) that the Poisons Board might lend the Registrar-General the services of one of its experts annually for as many hours as are necessary to evolve some kind of order out of the existing chaos.

### Substantial Rise in Exports

THE Trade and Navigation Accounts of the United Kingdom for July and for the first seven months of the year reveal a considerable increase in the value of the country's export trade. For July, the increase is £4,672,993 over the total exports for July, 1935, and for the period January to July the increase over the corresponding period last year is £9,896,224. Over the June, 1936, figure of £37,072,573, which was the lowest of the thirty-one monthly returns recorded in the Accounts, the increase is particularly impressive, amounting to £8,021,388. It should be noted, however, that imports have increased at a still greater rate; the percentage of exports to imports for the first seven months of 1935 was 65.5 per cent. approximately; of 1936 only 60.6 per cent. Of the exports increase for July over July, 1935, £1,030,520 represents re-exports.

	Imports	Exports of United Kingdom Goods	Total Exports, including Re-exports
July, 1936 ...	£ 68,731,020	£ 40,085,922	£ 45,077,638
" 1935 ...	61,763,528	36,443,449	40,404,645
" 1934 ...	58,027,924	33,229,621	37,358,340
Jan.-July, 1936	471,173,220	247,966,402	285,358,352
" 1935	420,441,899	242,873,706	275,462,128
" 1934	419,872,173	223,048,967	256,184,839

In the class "Chemicals, Drugs, Dyes and Colours," we find that while imports are up by £48,619 on the month and by £757,294 on the seven months as compared with 1935, exports of British manufactured goods are up by £122,732 on the month, but down by £118,326 on the seven months. Re-exports, on the other hand, are down on the month (£3,748) but up on the seven months (£10,953). The decline in re-exports is probably accounted for by the cessation, to all intents and purposes, of trade with Italy

and Spain. It is satisfactory to note that exports of British manufactured chemicals are so buoyant in face of the virtual loss of these two markets and of the steady decline, during the period covered by the Accounts, of sales to such countries as Japan (about one-third the 1934 figure) and Belgium (about two-thirds the 1934 figure) where home manufactures are consistently increasing

Chemicals, Drugs, Dyes and Colours	July			January-July		
	1934	1935	1936	1934	1935	1936
Imports ...	£'000 900	£'000 899	£'000 948	£'000 6,448	£'000 6,215	£'000 6,973
Exports of U.K. manufacture	1,623	1,761	1,884	11,863	12,277	12,158
Re-exports ...	30	37	33	538	226	237

The analysis of origins of our chemical and associated imports shows that Germany (£2,232,565) is by far the largest source, supplying nearly double the value of chemical goods supplied by the next in importance, United States, (£1,255,730). Other important suppliers are Switzerland (£464,636), France (£398,311), Belgium (£345,121), Canada (£299,890), Holland (£290,341) and Norway (£204,170). Our chief buyer continues to be India (£1,433,916), closely followed by Australia (£1,087,365) and South Africa (£919,215). Two other Dominions, Canada and the Irish Free State, each import chemical manufactures to a greater value than the highest foreign customer, United States of America (£612,323). With Germany, our export trade is worth only some twelfth of the import trade for the first seven months of the year.

### "Rationing" Saffron

IMPORTERS of saffron as well as dealers who usually carry stocks have been caught unawares by the Spanish "situation." With shipments stopped, spot supplies have become almost exhausted, and something akin to rationing has been resorted to by those still in a position to sell. The price has advanced correspondingly. It is understood that stocks still exist in warehouses at Valencia, but for various reasons they can hardly be said to be available. For although communications between Valencia and this country have been maintained to some extent by English shipping companies, prohibition of exports of saffron under the classification "foodstuffs" has been in operation. This ban has now been lifted following a revised classification, but difficulties with the banks which, it is stated, have not allowed existing credits to be used, and the reported duty of 10 per cent. *ad valorem* imposed by the Spanish Government on all exports from Spain, have still to be faced.

A MEDICAL VIEW.—"Leaving out the lofty ideal of promoting the health of the nation, the primary object of the public medical service is to forestall the inclusion of the families of the insured under the National Health Insurance Acts. The immediate effect is the same as that which the multiple shops have on the independent trader. It is a working agreement between certain general practitioners to provide treatment on certain terms which are attractive to the class of patients concerned, and if successful must rob general practitioners outside the service by under-selling. So long as its activities are confined to the N.H.I. class the damage is limited, although it is obvious that its members will be in the best position when and if the State steps in. But the extension to the public with a higher income limit is much more serious, and if successful must . . . ultimately wipe out the private practitioner."—A correspondent of "The British Medical Journal."



# Chinese Oracle Bones

WE have been favoured by Jonathan Cape, Ltd., with the following illustrated excerpt from H. G. Creel's "The Birth of China," published recently by them at 15s. The primary interest of these relics of an old civilisation for our readers is that they were for some time prescribed and sold as medicine, in the same way as hartshorn and other animal substances formerly were in this country. They are known as "oracle bones."

"More than three thousand years ago there flourished on the plains of North China one of the most interesting and important peoples the world has ever known. Their civilisation was equal in many respects, and superior in some, to that of any other people in the world of their time. It was the ancestor of the civilisation of most of the Far East, or about one-fourth of mankind.

"Unfortunately most of the things used by these people, which might have come down to us as evidence of their culture, were very perishable. Their great temples were built with pillars of wood. Their books were written on tablets of wood or bamboo. In the wet climate of China such materials decay quickly. Even their wonderful marble sculptures, perfectly preserved though they were, were buried thirty to forty feet deep in great tombs which concealed them effectually, so that,

"All of the new evidence for this ancient civilisation comes from the site of one city. Like many great archaeological discoveries, this one was led up to by events so casual and made possible by clues so slight as to be almost absurd. In fact it might never have been made but for the peculiar tastes of the modern Chinese in medicine.

"The site of this ancient city includes the tiny modern village of Hsiao T'un, in the district of Anyang in northern Honan Province. It is some eighty miles north of the Yellow River, three hundred miles west from the sea. Its latitude is approximately that of Gibraltar. Farmers noticed that in their fields on the bank of the Huan River, directly north of the village, after a rain or after ploughing, bones of a very peculiar sort came to the surface. Most of them were broken pieces, yet some of their edges showed an uncommon smoothness and finish. The surfaces of some were polished until they gleamed like glass. Most of them had queer oval notches on their backs, and T-shaped cracks. A thrifty farmer named Li decided that they must be dragon bones, since dragon bones are used in Chinese medicine and therefore worth money. He collected as many as he could find and marketed them.

"A few of the bones, about one out of ten, had even more mystifying markings—rows of geometric designs and small pictures. These, the druggists thought, would hardly be found on the bones of even the most whimsical dragon. So they were scraped off before the bones were sold. This process went on for several decades, with old-fashioned Chinese physicians prescribing a bit of the bone, pounded in a mortar, to be fed to the ailing. It was thought especially good for nervous disorders. But in 1899 some of these bones still bearing their markings came into the hands of Chinese antiquaries skilled in the most ancient known forms of Chinese writing, who recognised that this must be a still older form.

"With this event an entirely new epoch in our understanding of the history of man in the Far East was begun. These fragments of bone are at present our sole remnant of the written records of most ancient eastern Asia. There is much talk of four thousand years of Chinese history, but actually we knew virtually nothing of the period before 1122 B.C. until they were discovered. Already they have revolutionised our whole conception of ancient China.

"They are a part of the royal archives of the latter portion of the Shang (sometimes called Yin) dynasty to which Chinese tradition assigns the dates 1765-1123 B.C."

Of the pieces shown in our illustration two are of special interest. The one in the upper right-hand corner bears an inscription relating, apparently, to the sacrifice of human beings. That in the upper left-hand corner is a forgery prepared for sale to the unwary. The piece in the lower right-hand corner is in the collection of Dr. Cyrus Peake.



(By courtesy of Jonathan Cape, Ltd.)

until 1934, the very existence of the art which produced them was hardly suspected. For these reasons we have had to depend chiefly on tradition and legend for our knowledge of these people, and tradition and legend have been none too trustworthy. Only within the last seven years have we come to possess definite historical records and actual objects used by them which make it possible now, for the first time, to give a reasonably detailed picture of their life and some connected account of their history, based on fact rather than conjecture. Indeed, some of the most important facts have been known for less than six months.

## New Books

Gazan, M. H.—*Flavours and Essences*. 5½ in. × 9 in. Pp. 115. 25s. Chapman & Hall, Ltd., 11 Henrietta Street, London, W.C.2. [Mr. Poucher, whose works in this field are well known, has written a foreword to M. Gazan's work. Flavours and essences are obviously more than a mere intermingling of synthetics and it is this "little more" that M. Gazan brings to his formulas which will render this work of value to those whose task it is to approach or surpass Nature's flavours. The book is interleaved throughout.]

Stewart, A. W.—*Recent Advances in Organic Chemistry*. 6 in. × 9 in. Pp. 489. 21s. Longmans Green & Co., Ltd., 39 Paternoster Row, London, E.C.4. [This volume is the sixth edition which has been reissued with additional chapters by Dr. Hugh Graham on subjects of new biochemical interest. These chapters include the bile acids and sterols, the cardiac aglucones (*Digitalis lanata* does not appear to have been considered), the hormones (animal and plant), the latter including Auxin-α and Auxin-β and the vitamins. A valuable work for advanced students and workers in various fields of investigation.]



# British Empire Minor Forest Products

A REPORT entitled "An Index of the Minor Forest Products of the British Empire" has been issued (price 5s.) by H.M. Stationery Office. Although, as seems to be inevitable in a compilation of this kind, the statistics of exports are not quite up to date, the report will be found to be a valuable compendium. In the preface the death of Mr. Harold Brown, O.B.E., Ph.C., of the Imperial Institute, a member of the committee responsible for the production of the monograph, is noted with regret.

The material has been arranged into the following groups:—

- |                        |                         |
|------------------------|-------------------------|
| (1) Drugs and spices ; | (5) Gums and Resins ;   |
| (2) Dyes ;             | (6) Oils and Oilseeds ; |
| (3) Essential Oils ;   | (7) Tanning Materials ; |
| (4) Fibres ;           | (8) Miscellaneous.      |

The four economic classes and the symbols by which they are denoted in the work are as follows:—

A.—Denotes that an export trade in the commodity has already been established.

B.—Denotes that while at present there is only a local trade, there is also, in the opinion of local officers, a possibility that an export trade might develop.

C.—Denotes that any existing trade is local and, in the opinion of local officers, unlikely to develop into an export trade.

D.—Denotes that the commodity is at present considered to be of very slight value only, and the possibilities of economic use very small.

This scheme of arrangement enables the reader to make his way through the numerous tables with ease. In addition to three indexes, the work includes a bibliography, which is not intended to be exhaustive. Such an attempt, it is stated, would be impracticable in a work of this kind.

The Government of the Anglo-Egyptian Sudan has provided a list of the minor forest products of that territory on the same plan. This list is given in Appendix I. The following are the chief passages of general interest in the report.

## Drugs and Spices

Many of the commodities or medicinal plants that are listed under the heading "Drugs and Spices" are not recognised drugs in European medicine, and are at present of local interest or value only. However, it should be remembered that many of the native medicinal plants of other countries, particularly in the tropics, are at present imperfectly known, and little or no investigation of their properties has been carried out. It does not seem unreasonable to suppose that some of them may eventually lead to additions to our pharmacopœias. Certain now established drugs have not been in use in medicine for a very long period, and first attracted attention through the use made of them (e.g., as arrow-poisons) by primitive peoples. Research on such plants is continually being carried on. Recently it has been shown that the seeds of *Strophanthus emini* from Tanganyika are similar therapeutically and in chemical composition to those of *Strophanthus kombé*. . . . Another plant which is said to give promise, as a result of recent work, of being of value in medicine (for bilharzia and guinea worm) is *Balanites ægyptiaca*, a scrub or small tree widely distributed in Africa. From the history of commercial drugs it is evident that the sources of supply are not always to be regarded as constant, and one country may supplant another as the chief supplier of some particular drug in the course of time. How marked such a change may be is well illustrated by the history of quinine or cinchona. It is quite conceivable that still further changes in the sources of supply, even if less notable and dramatic, may occur at some future time. . . .

Among minor forest products the number of spices is small—spices in general being derived mostly from cultivated plants. They have been included with drugs here because so many, in fact most, spices are used to some extent for medicinal purposes. . . .

A number of the products listed in this section are, or have been, cultivated in some countries, although production on a commercial scale has not necessarily resulted. Among these the following may be mentioned. Aloes are cultivated in parts of the West Indies, commercial grades falling into three main classes, East African, South African and West Indian. Chaulmoogra, cinnamon, pimento and kola have been established successfully in numerous parts of the tropics, Ceylon being

now an important source of supply for cinnamon and Jamaica for pimento. Cascara has been found to grow well under sub temperate and sub-tropical conditions in various countries including East Africa. Croton is cultivated in India and Ceylon, and costus is cultivated in parts of India. . . . Colocynth has a wide distribution in North Africa and Syria, and is cultivated in southern European countries and the north Western provinces of India.

These remarks are followed by more than eleven pages of tabulated statistics, of which the following is a specimen:—

Commodity and species	Exports		Economic class	Bibliog. reference	Country
	1932	1933			
ALOEES ...	...	...			
	Cwt.	£			
	7,569	8,025			
	1933	7,849	A	D. 12,36	S. Africa
Aloe spp. ...	...	...			
	7,308	9,987			
	Large supplies available				

## Dyes

Vegetable dyes, the report continues, are of considerable less importance now than formerly, owing to the development that have taken place in the manufacture of synthetic dyestuffs are well suited on account of their harmless nature and it is in this sphere that several are regularly employed. Many of the vegetable dyes which have been extensively used in the past, such as indigo, madder and woad, have now become quite obsolete or are very little used. Others, however, are still of commercial importance and in everyday use. These include such dyes as logwood, fustic, sappan or Brazil wood all of which are to be regarded as minor forest products. Of these, logwood is the best known and most extensively used. A variety of different colours may be obtained from it by different chemical treatment. Its chief use is in the dyeing of woollen goods to various shades of blue. It is also employed in making inks, and by calico printers and hat dyers. The fine black silkiness of "top hats" is said to be due in part at least to the use of this dye. Certain of the dye-plants mentioned in this section of the report are cultivated in some countries. Logwood, a native of central America, has been introduced to many parts of the tropics, and has become quite naturalised in some instances. It is particularly prevalent in parts of Jamaica, Cuba, Haiti and Santo Domingo. Anatto is another tropical American species which is now widely distributed throughout the tropics and is quite naturalised in some areas. Certain of the indigenous dye-plants of India such as "Jack" and "Al" are cultivated locally, and the same is true of Yoruba indigo in West Africa.

## Essential Oils

Medicine and the perfumery and soap trades are the principal outlet for the essential oils. Among the great variety of such oils produced in the British Empire, the more important are the bay oil of St. Lucia and Jamaica, the beautifully scented boronia oil of Australia, the cedar wood oil of Kenya, the cinnamon oil of India, Ceylon and the Seychelles, and a group of oils derived from species of cymbopogon and other grasses in India, of which lemongrass oil and citronella oil are examples. The old-established and well-known eucalyptus oils originally a monopoly of Australia, are now produced in India as well, and are also likely to be produced in various parts of Africa. . . . Cinnamon, bay and pimento have been established in various parts of the tropics, cinnamon being an important cultivated product of Ceylon, while Jamaica is the principal source of supply for pimento. The Tonquin bear has also been cultivated away from its native habitat—tropical South America—and in recent years its cultivation in Trinidad has attracted increased attention. Many of the oil-yielding grasses are cultivated in various parts of the tropics for oil production, so also is ylang-ylang or pang lang (Eastern tropics). Lavender and thyme are also grown for oil production, chiefly in European countries.

## Gums and Resins

The products in this section have been subdivided into four groups as follows:—(1) Gums; (2) resins; (3) gum-resins; (4) oleo-resins.



In the resins group, accroides or acaroid gum is a practical monopoly of Australia, and kauri gum of New Zealand, but where the great resin families of copals and damars are concerned, the British Empire accounts for only a small proportion of the world production. . . . The Belgian Congo and the Netherland East Indies are large sources of supply. The whole category of natural resins has been hard hit by the remarkable development in the last fifteen years of the synthetic resin trade, these resins being the result of chemical reaction principally between phenol, urea and formaldehyde, while caseine, nitrocellulose derivatives, the glyptals, the vinyls and many others have invaded the field—especially in the varnish trade, in which resins once reigned supreme. This development has led to considerable scientific research being undertaken to improve the production and uses of natural resins and their processing with an encouraging measure of success. The creation of a rosin and turpentine industry in British India . . . , which has made that country more or less independent of foreign sources of supply, is of interest, for with the extension of coniferous plantations in Australasia and South Africa, Empire developments may be predicted.

The carob bean (*Ceratonia* sp.), indigenous in Syria and North Africa, is cultivated in Cyprus (where it constitutes an important item in the export trade), and in countries round the Mediterranean and also in India, the West Indies and Queensland. The chief use of the beans is as an ingredient in cattle cake, but the mucilaginous gum from the seeds is a source of substances employed in the textile industry and in the manufacture of toilet preparations. . . .

## Oil and Oilseeds

Owing largely to the sporadic growth and generally scattered nature of the trees yielding oilseeds and oils, these products are in most cases only of local value, but where the trees occur naturally in fairly close crops, economic collection and the development of an export trade is made possible. An outstanding example is the palm kernel and palm oil trade of the Gold Coast and the Gambia. This has, it is true, become an organised industry, and the correctness of including any particulars of it in an index of minor forest products might be challenged, but as the products in question are derived from the natural forest and not from plantations, they have been included. Other examples of trades which are based on the oil products of forest trees but which are not, on account of their magnitude, open to the same objection, are those in the cashew and illipie nuts of India and the shea nuts of West Africa. In West Africa the oil palm is still mainly a wild crop, though there is a small plantation industry. Oil palm plantations are established in Malaya and the Netherland East Indies. From moringa species is derived ben oil, used by watchmakers. The plant grows wild in Ceylon, Java, Molucca and Cochin-China. It is cultivated in Mauritius and the Antilles, while in India it is found both wild and as a cultivated plant.

The report ends with a section headed "Miscellaneous," the products in which are classified as follows:—(1) Alcohol and sugars; (2) animal products; (3) balata, gutta percha, and latex rubbers (uncultivated); (4) materials for basket-making and chair-making; (5) insecticides; (6) paper-making materials; (7) thatching materials; (8) general.

# Report on "Dangerous" Drugs

THE British Government's latest annual report to the League of Nations on opium and other "dangerous" drugs, covering the year 1935, has been circulated in typescript. The scope of the report is limited to Great Britain, Northern Ireland, the Isle of Man and the Channel Islands. Once again, "addiction to narcotic drugs is not prevalent in the United Kingdom." The total number of addicts known to the authorities at the end of the year was approximately 700, of whom about one-sixth were members of the medical profession. In 90 per cent. of the cases morphine was the drug of addiction. In the twelve months under review twenty-one unregistered veterinary surgeons were licensed to be in possession of certain drugs for the treatment of animals. Twenty persons in charge of private dispensaries were licensed to be in possession of one or more of the drugs for medical treatment required by members of the dispensaries. Six schools of pharmacy were licensed to be in possession of certain drugs for the purpose of instruction of students. Eight persons were licensed to possess various drugs for analytical research work, and one person was licensed to be in possession of specimens of certain of the drugs. Twenty-one persons were licensed to possess one or more of the drugs for the purpose of manufacturing proprietary medicines, and fifteen persons were licensed to possess certain drugs for the purpose of manufacturing medicines required in the treatment of animals. There were 129 wholesalers licensed to deal in one or more of the drugs, eighteen persons as merchants and thirteen persons as brokers in respect of one or more of the drugs. Three wholesale chemists were licensed to supply their own retail shops, and six druggists' sundriesmen to handle drugs in sealed containers but not to break bulk. Thirteen persons or firms were licensed to manufacture dental anaesthetics. The following information is abstracted from the report and its appended tables:—

## RAW OPIUM

Imports of raw opium amounted (omitting decimal fractions) to 132,078 lb. Exports totalled 59,993 lb., against 34,640 lb. in 1934. Quantity used in the manufacture of morphine (including the quantity of morphine converted into other drugs, etc.), 33,604 lb. (28,713 lb. in 1934). Consumption, other than for Government purposes, 1,083 lb.

## MEDICINAL OPIUM

The total amount of medicinal opium exported was 1,833 lb. (2,154 lb. in 1934). Consumption, other than for Government purposes, 416 lb.

## MORPHINE

The gross amount (in terms of anhydrous morphine) of morphine and morphine salts manufactured during the year was 74,172 oz. (34,477 oz. in 1934). 3,272 oz. of morphine was used in the manufacture of diacetylmorphine; 31,688 oz. in the manufacture of codeine; 4,048 oz. in the manufacture of ethylmorphine; and 78 oz. in the manufacture of apomorphine. Imports of morphine and its salts and preparations (excluding crude morphine) totalled 855 oz.; exports amounted to 14,058 oz. (14,317 oz. in 1934).

Consumption, other than for Government purposes, of morphine, morphine salts and preparations containing morphine, 13,681 oz.

## DIACETYLMORPHINE

The amounts manufactured during the year were:—Diacetylmorphine and salts of diacetylmorphine, 3,822 oz. (3,726 oz. in 1934). Imports amounted to 128 oz., while exports totalled 2,671 oz. (2,099 oz. in 1934). Consumption, other than for Government purposes, of diacetylmorphine, its salts and preparations containing diacetylmorphine, 1,694 oz.

## COCA LEAVES

Quantity imported, 125,049 lb. Quantity used in the manufacture of cocaine, 104,577 lb. (139,802 lb. in 1934).

## COCAINE

The amounts manufactured during the year were:—Cocaine and cocaine salts, 13,920 oz. (13,576 oz. in 1934). Imports of cocaine, its salts and preparations, 531 oz. Exports of cocaine, its salts and preparations, 421 oz. (1,188 oz. in 1934). Quantity of cocaine, its salts and preparations purchased in the country for Government purposes, 131 oz. Consumption, other than for Government purposes, of cocaine, its salts and preparations, 8,341 oz.

## INDIAN HEMP

Imports of Indian hemp totalled 3,242 lb. Exports of Indian hemp amounted to 71 lb. (33 lb. in 1934); extract, 1,042 oz. (1,203 oz. in 1934); tincture, 969 oz. (1,835 oz. in 1934).

## CODEINE AND ETHYLMORPHINE

In respect of codeine the following figures are given:—Amount manufactured, 36,642 oz.; amount imported, 2,480 oz.; amount exported, 26,285 (25,431 oz. in 1934). The amount of ethylmorphine (dionin) manufactured was 3,262 oz.; amount imported, 39 oz.; exported, 1,914 oz. (1,049 oz. in 1934).



# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essences and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, August 20

THE week has been fairly quiet in all markets but not featureless in any. In Pharmaceutical Chemicals the important change is in MERCURIALS, which, as anticipated, have been sharply advanced. The time lag between this increase and that of the metal will probably operate again in the probable event of a further advance in quicksilver prices. During the week a list of continued exemptions from Key Industries Duties has been issued. There is only one omission; oxalic acid. No doubt the price of this will be affected, but no change has at present been notified.

## Crude Drugs

The generally quiet tone has had some exceptions in this market and good business has been done in a number of commodities. The information from Japan about AGAR is that stocks of Kobe No. 1 are much reduced and higher prices will be demanded before the new crop influences the market. Spot demand has also been better. Some interest has been shown in ALOES. Spot stocks of Cape are not easily to be found, and a recent arrival seems to have been re-exported immediately; no other shipments are reported. There seems a genuine demand, but no supply at home or at the source. The demand for CURAÇAO has not, however, quickened. The first rather pessimistic expectations of a poor yield of CHAMOMILES have been bettered in the event, owing to a period of fine weather. The result is a weakening in the price. A Palestine correspondent reports that stocks of COLOCYNTH are depleted at the source and collection is well-nigh impossible in present political conditions. Portuguese ERGOT has benefited considerably by the absence of Spanish and Russian, and indications are that still higher prices will obtain. Some time must elapse before new crop Russian can influence the market. HYDRASTIS is a rising market and likely to continue so. MERCURY may go higher, though this week's price is the same as last; increased demand is usually felt in the autumn, and no further supplies are probable to meet it. The demand for Japanese MENTHOL has been good, and both spot and forward prices have appreciated. ORRIS is scarce on spot. RHUBARB prices are somewhat easier on the spot. Among the WAXES, Calcutta and Abyssinian Beeswax and Carnauba are firmer forward; Benguella and Conakry are easier. The shortage of SAFFRON and its causes are dealt with in a commentary on page 226.

## Essential Oils

A pronounced scarcity in almonds for pressing has caused a further sharp rise in ALMOND oil. STAR ANISE has been in good demand, especially for near afloat parcels; prices are firm. Shipment prices for Sicilian oils are, of course, nominal, but as a result of a reported advance at the source, some spot holders of BERGAMOT are holding for higher prices, pending further information. Increased inquiry has been met with in Californian cold-pressed LEMON. Japanese PEPPERMINT has been in good demand. Spot prices are firm. Shipment prices have hardened and a figure approaching the spot value has been cabled for October-December shipment. A poor early crop, and main crop about normal, are reported. ROSEMARY and SPIKE, in common with other Spanish produce, are at higher levels.

## Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	August 20	Value of the £
Amsterdam ...	Fls. to £	12:107	7:41	12/3
Berlin ...	Mks. to £	20:43	12:50½	12/3
Brussels ...	Belgas to £	nominal	29:83	17/0
Copenhagen ...	Kr. to £	18:159	22:40	24/8
Lisbon ...	Esc. to £	110	110 3/8	20/0
Madrid ...	Ptas. to £	25:22½	39½ nominal	31/7
Milan ...	Lira to £	92:46	63 1/8	13/10
Montreal ...	Dol. to £	4:86½	5:03½	20/8
New York ...	Dol. to £	nominal	5:03½	20/8
Oslo ...	Kr. to £	18:159	10:00	21/11
Paris ...	Fr. to £	124:21	76 3/8	12/4
Prague ...	Kr. to £	164:25	121 1/4	14/10
Stockholm ...	Kr. to £	18:150	10:39½	21/1½
Warsaw ...	Zloty to £	43:38	26 1/4	12/3
Zurich ...	Fr. to £	25:2115	15:45	12/3

Bank rate 2 per cent.

## Pharmaceutical Chemicals, etc.

ACETANILIDE.—Market continues quiet and prices are quoted unchanged: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as quantity.

ASPIRIN.—Fair amount of business, prices firm: home trade, 1 cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. B.P. packing free, net, carriage paid. Contracts, over twelve months, minimum one ton; over six months, less than one ton.

BROMIDES.—The market is steady at the scales of price agreed upon by the makers and dealers: Home trade, Potassium B.P., not less than 5 cwt., 1s. 7d.; not less than one cwt. 1s. 8d.; not less than 28 lb., 1s. 11d.; 14 lb., 2s. 1d. per lb. Sodium B.P., not less than 5 cwt., 1s. 9d.; not less than one cwt., 1s. 10d.; not less than 28 lb., 2s. 1d.; 14 lb., 2s. 3d. per lb. Ammonium B.P., not less than 5 cwt., 1s. 10d.; not less than one cwt., 1s. 11d.; not less than 28 lb., 2s. 2d.; 14 lb., 2s. 4d. per lb. net. 28 lb. parcels and one cwt. cases free. Distributors' prices for quantities less than 14 lb. would be at higher figures. Scales of price for export, quoted f.o.b. London for prompt shipment, are as follow: POTASSIUM, 5 cwt., 1s. 1½d.; one cwt., 1s. 2d. SODIUM, 5 cwt., 1s. 2½d.; one cwt., 1s. 3d. AMMONIUM, 5 cwt., 1s. 4d.; one cwt., 1s. 4½d. per lb.

CHLORAL HYDRATE.—Home makers' prices are unchanged at the following scale: duty paid crystals, in 14-lb. free containers, 1 cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4½d. 1 lb.; 28-lb. jars, one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—A little more interest has been shown; prices are steady: British material quoted at 1s. per lb. less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Fairly good demand; price levels maintained: British material, 90 to 100 per cent., 79s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

IODIDES.—Makers' prices continue steady at the following scales: POTASSIUM IODIDE, B.P., for quantities not less than one cwt., 4s. 6d.; 28 lb., 4s. 8d.; 14 lb., 4s. 10d.; 7 lb., 5s. 4d.; 4 lb., 5s. 10d.; smaller quantities, 6s. 6d. per lb. SODIUM IODIDE, B.P., for quantities not less than 28 lb., 5s. 6d.; 14 lb., 5s. 8d.; 7 lb., 6s. 2d.; 4 lb., 6s. 10d. smaller quantities, 7s. 10d. per lb. IODINE, B.P., resublimed, for quantities not less than one cwt., 5s. 6d.; 28 lb., 5s. 8d.; 14 lb., 5s. 10d.; 7 lb., 6s. 4d.; 4 lb., 7s.; smaller quantities, 7s. 11d. per lb. IODOFORM, B.P., crystal, precipitated or powder, for quantities not less than 28 lb., 8s.; 14 lb., 8s. 2d.; 7 lb., 8s. 10d.; 4 lb., 9s. 8d. smaller quantities, 10s. 8d. per lb. Sales terms: Contracts for one cwt. or more (assorted if required) with "Fall Clause," for delivery over four months. No rebate now applies. Packages: Tins, 28-lb. jars and one-cwt. cases, free. Bottles extra or returnable within three months, carriage paid. Delivery: Carriage paid on all quantities. Re-sale: It is a condition of sale that buyers undertake not to re-sell at prices below or on terms other than those ruling at the time of re-sale.

MERCURIALS.—As previously forecast, there has been a rise in the prices of all mercurials: new prices, not less than one cwt. ammoniated, B.P., lump, 5s. 5d.; powder, 5s. 7d.; bichloride, B.P. lump, 4s. 8d.; powder, 4s. 4d.; chloride, B.P., 5s. 5d.; yellow oxide, B.P., 5s. 10d.; persulphate, white, B.P.C., 5s. 7d.; sulphide, black (hyd. sulph. cum sulph., 50 per cent.), 5s. 6d.; less than one cwt. ammoniated, B.P., lump, 5s. 6d.; powder, 5s. 8d.; bichloride, B.P. lump, 4s. 9d.; powder, 4s. 5d.; chloride, B.P., 5s. 6d.; yellow oxide, B.P., 5s. 11d.; persulphate, white, B.P.C., 5s. 8d.; sulphide, black (hyd. sulph. cum sulph., 50 per cent.), 5s. 7d. per lb. Special prices for large quantities.

METHYL SALICYLATE.—Market steady: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 2½d.; smaller quantities, in bottles, up to 2s. per lb.

PARAFORMALDEHYDE.—Fair amount of business; prices steady: 10 per cent. powder, quantities in kegs, 1s. 1d.; smaller parcels, 1s. 9d. per lb., as to quantity.

PHENACETIN.—Steady at the levels previously recorded: crystals or powder, bulk quantities, 2s. 6d. to 2s. 7d.; smaller parcels, 2s. 7½d. to 3s. per lb., as to quantity.

PHOTOGRAPHIC CHEMICALS.—AMIDOL.—28 lb., 7s. 6d.; 14 lb., 8s. 3d.; 7 lb., 9s.; under 7 lb., 11s. 9d. per lb., in 1-lb. bottles. CHLOROQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb.



gs. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d.; 3 lb., 11s. 6d.; 1-lb. bottles, 12s. 6d. per lb. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt. 28 lb. for 6s. GOLD CHLORIDE.—15-grain tube, 52s. 6d. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENOL HYDROCHLOR.—8s. 6d. per lb. POTASSIUM FERRICYANIDE.—14 lb., 2s. 3d.; 7 lb., 2s. 6d.; 1 lb., 2s. 9d. per lb. POTASSIUM METABISULPHITE.—One cwt., 7½d.; 28 lb., 8d.; 14 lb., 9d.; 7 lb., 11d.; 1 lb., 1s. per lb. PYROGALLIC ACID.—28 lb., 6s. 9d.; 14 lb., 7s. 6d.; 7 lb., 8s. 3d.; under 7 lb., 8s. 9d. per lb. SODIUM CARBONATE (RECRYST).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 16s. 3d.; 1 cwt., 18s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 3d. 1 lb., 1s. 6d. per lb.

POTASSIUM PERMANGANATE (B.P.).—Orders for small lots are fairly numerous; prices are steady; quantities in drums, around 9d.; druggists' parcels from 10d. to 1s. per lb., as to quantity.

ROCHELLE SALTS.—Prices are steady at the makers' agreed standard prices per cwt., as under, carriage paid on one cwt. or more in United Kingdom; casks free:—

	Pulv. Sod. Pot. Tart. B.P.	Sod. Pot. Tart., Cryst.	Pulv. Seidlitz	Double Seidlitz
	s. d.	s. d.	s. d.	s. d.
Under 1 cwt. ...	77 6	80 0	62 6	69 0
Under 5 cwt. ...	75 0	77 6	60 6	67 0
Not less than 5 cwt. in one delivery ...	72 6	75 0	58 9	64 9

SACCHARIN.—Convention price steady, unchanged: 550, 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Prices are maintained, but not much business is passing: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

SALOL.—Spot, crystals, two cwt., 3s.; one cwt., 3s. 0½d.; 56 lb., 3s. 1½d.; smaller parcels, 3s. 2d. to 3s. 6d. per lb., powder, 2½d. per lb. extra.

SANTONIN.—First hand prices steady at the recently agreed scales: 10-kilo. lots, £20 11s.; 3-kilo. lots, £21; 1-kilo. lots at £21 15s.; quantities of less than one kilo., £22 15s. per kilo. Special prices for export buyers.

SODIUM SALICYLATE (B.P.).—Prices steady at the home makers' agreed prices: crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 11d.; 7 lb., 2s.; 1 lb., 2s. 3d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—British makers quote at 1s. per lb., less 5 per cent. discount. Foreign materials at competitive prices.

THYMOL.—Quiet and steady: synthetic, fine white, two cwt., 5s. 10d.; one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; smaller parcels, 7s. 6d. per lb.; ex ajowan seed, one cwt., 8s. 7d.; 56 lb., 8s. 10d.; 28 lb., 9s. 4d.; 14 lb., 10s. per lb.

VANILLIN.—Steady at the Convention scale of prices: ex clove oil or guaiacol, five cwt., 12s. 9d.; one cwt., 13s.; 56 lb., 13s. 3d.; smaller quantities at 13s. 9d. per lb.

### Crude Drugs, etc.

AGAR.—Advices from Japan affirm that stocks of Kobe No. 1 are much reduced. Higher prices all round are expected before the new crop comes on the market. There has been a good spot demand, but it is noteworthy that prices are pence below the c.i.f. parity: spot, Kobe No. 1, 2s. 7d. to 2s. 7½d.; No. 2, 2s. 5d.; Yokohama No. 1, 2s. 4½d. per lb.; shipment, Kobe No. 1, 2s. 5½d.; No. 2, 2s. 2½d.; Yokohama No. 1, 2s. 1½d. per lb., c.i.f.

ALOES.—There has been a good demand for Cape on spot, and with stocks practically cleared prices must be taken as nominal. No offers come from the source, and a recent arrival seems to have gone for export: Curaçao, spot, slow, 95s. to 110s., as to quality; shipment, September-October, a shade easier at 83s. 6d. per cwt., c.i.f.

ANTIMONY.—Chinese crude, August-September shipment, £23, c.i.f.; spot, English regulus, £64 10s. to £65 10s.

BALSAMS.—Tolu, 1s. 9d. to 1s. 10d.; Canada, 2s. 9d.; Peru, 5s. 4d.; Copaiba, 1s. 2½d. per lb., spot.

BUCHU.—Little interest has been shown, and prices remain firm: spot, rounds, 3s.; ovals, 2s. 5d. to 2s. 6d. per lb., as to quantity.

CAMPHOR.—Average routine business; prices unchanged: Japanese, spot, tablets, 2s. 5d.; powder, 2s. 2½d.; slabs, 2s. 2½d. per lb., duty paid; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¼ oz., 3s. 6d. per lb. Contracts at special prices.

CANTHARIDES.—Little interest has been shown on the spot; the price of 2s. per lb., duty paid, for Chinese is steady; for September shipment, 1s. 5d. has been paid.

CARDAMOMS.—Very quiet; Bombay seed, spot, 4s. 2d.; shipment, 3s. 10½d.; Aleppy green, shipment, October-November, 2s. 8½d. per lb., c.i.f.

CASCARA SAGRADA.—Very few offers are forthcoming from the Pacific coast, and prices range from 49s. to 53s., c.i.f., as to seller. The demand for matured peel on spot has been good, and prices are around 61s. for 1935 (what little remains) and 64s. for 1933.

CHAMOMILES.—A spell of fine weather has resulted in the new crop being rather better than early pickings promised. The result is that the price is easier at 112s. per cwt., duty paid.

CLOVES.—Steady, unchanged: Zanzibar, 7½d.; shipment, 7½d. per lb., c.i.f.; Madagascar, spot, in bond, 7½d.; shipment, August-September, 7d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended August 15 were nil, and the deliveries 48, leaving a stock of 1,530. From January 1 to date the landings of Zanzibar have been 3,037 and the deliveries 2,352. Landings of Madagascar for the week ended August 15 were nil, and the deliveries 10, leaving a stock of 1,339. From January 1 to date landings of Madagascar have been 2,581 and the deliveries 2,604 packages.

COCONUT (DESICCATED).—Steady; some forward business reported done at 21s. 6d.; spot, fine, 23s.; medium, 22s. 6d. per cwt.; shipment, halves, September, 21s. 9d. (sellers) per cwt.; October-December, 22s. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports the market firm and the price steady at about 89s. per barrel, c.i.f., for the finest Lofoten steam refined non-freezing medicinal oil; spot, London, in small lots, 126s. per barrel, ex store, duty paid. Export figures to end of July: 1936, 41,169 barrels; 1935, 44,305 barrels; 1934, 45,891 barrels. Newfoundland, non-freezing medicinal oil, about 130s. per barrel, ex store. British non-freezing medicinal oil is now quoted at 100s. per barrel, c.i.f. London, duty free, while quotations from another home source are at higher figures.

COLOCYNTH PULP.—Spot, in bond, 1s. 11d. per lb. Stocks in Palestine are low owing to the political situation.

DAMIANA LEAVES.—Good quality leaves are available on the spot at 9d. per lb.

DERRIS ROOT.—The spot market is without interest. Further shipment business has been done at 10d. per lb., October-December (17 per cent. ether extract).

ERGOT.—With neither Spanish nor Russian obtainable, interest centres in Portuguese, which is well up in consequence. On the spot, 4s. 6d. to 5s. is asked, according to seller. Shipment business has been carried through during the week at 3s. 5d., c.i.f., but subsequently offers even at 3s. 7d. brought no reply. One recent offer from a seller was for half a ton at 3s. 9d. Some offers of Polish are reported at 2s. 10d. per lb.

GENTIAN.—Spot prices for good French range from 40s. to 42s. 6d.; forward prices are dearer.

GINGER.—Steady, unchanged: West African, spot, 67s. 6d.; shipment, 62s. per cwt., c.i.f. (sellers); Jamaican, 85s. to 90s., spot, sold in barrels; small grinding, 62s. 6d. to 65s. per cwt., in bags, ex store.

GUM ACACIA.—Market slow and steady: spot, Kordofan cleaned sorts, 42s.; bleached, No. 1, 110s.; extra, 120s. per cwt.; shipment, Kordofan cleaned sorts, 39s. 6d. per cwt., c.i.f.

HYDRASTIS.—Spot and shipment prices become steadily firmer, and the higher tendency is likely to continue: U.S.P., spot, 11s. to 11s. 3d., as to seller; 11s. 3d. to 11s. 9d. for 3 per cent., as to seller; shipment, U.S.P., 10s. 9d.; 11s. 6d. per lb. for 3 per cent.

IPECACUANHA.—The spot demand continues good: Matto Grosso, B.P. firm at 5s. 1d. per lb., spot; business is reported done at higher-testing root at 5s. 3d. per lb.

KAMALA.—Quoted at 1s. 2d. to 1s. 3d. per lb., ex wharf.

LIQURICE ROOT.—Rather more interest has been shown: spot, 12s. 6d. per cwt., natural.

LOBELIA HERB.—Not much business is being done in this commodity. Supplies are available on spot from 7½d. to 8d. per lb. The shipment price (September-October) is about 5½d. per lb., c.i.f.

LYCOPodium.—Continues scarce on spot. The Polish source offers at 3s. 6d. per lb., c.i.f.

MENTHOL.—Good business continues to be done on spot and prices are firmer: Japanese, K/S brands, 13s. 3d. to 13s. 4½d.; in bond, 11s. 9d. to 11s. 10½d. From Japan, 11s. 8d. to 11s. 9d., as to seller, is quoted for September-October shipment; re-sellers at 11s. 4½d.; for October-December shipment, 11s. 4½d. per lb., c.i.f. Chinese, spot, 13s. per lb.; shipment, September-October, 11s. 3d. per lb., c.i.f.

MERCURY.—Prices are the same as last week, but the increased demand usually experienced in the autumn, combined with the continued uncertainty of supply, is likely to cause a further increase shortly: per bottle, f.o.b. Continent, £11 10s.; spot, in small lots, £12 3s. per bottle, ex store.

OPIMUM.—Small spot business: Turkish, 1s. 2d. to 1s. 3d. per unit, as to quantity; Persian, in bond, 1s. per unit.

ORRIS ROOT.—Very scarce on spot: the price is around 60s.-62s. per cwt.

PEPPER.—Lampung, quiet, unchanged: in bond, spot, 2½d.; shipment, August-October, 2d.; October-December, 2½d.; January-March (sellers), 2½d., c.i.f.; Telicherry, spot, firmer, 5½d. per lb.; shipment, August-October, 33s. per cwt., c.i.f.; Aleppy, spot, firmer,



5½d.; shipment, August-October (sellers), 31s. 6d.; White Muntok: in bond, spot, 4½d.; shipment, August-October, 4d.; October-December, sellers, 4d. per lb., c.i.f.

PIMENTO.—Again a shade easier forward: spot, 7½d. per lb.; shipment, September-October, 66s. per cwt., c.i.f.

PODOPHYLLUM EMODI.—New crop offered at 38s. per cwt., c.i.f., duty free.

RHUBARB.—A fair demand has been experienced, especially for the cheaper rough round qualities, business being done at 1s. 4½d. per lb. for ordinary. Shensi, spot, slow at 4s. 4d. to 4s. 8d. per lb.; shipment, good quality (high percentage of pinky), 1s. 2½d., ordinary, 1s. 1½d.

RUBBER.—An inactive market: standard smoked ribbed sheet, spot, 7½d.; shipment, September, 7½d.; October-December, 7½d.; January-March, 7½d.; April-June, 7½d.; July-September, 7½d.

SAFFRON.—Although the export of saffron, temporarily prohibited, is now allowed, further exports from Spain are unlikely at present (see commentary, page 226). Spot stocks are very much reduced and are being "rationed" to buyers; price around 60s. per lb. for good quality.

SARSAPARILLA.—Rather more inquiry for Jamaica grey at 1s. 2d. to 1s. 3d., spot, as to quality; native, mixed colours, 10d. to 11d. per lb., as to quantity, spot.

SEEDS.—ANISE.—Bulgarian, 31s., duty paid; Spanish, not quoted. CANARY.—Spot, duty paid, Mazagan, 31s.; Turkish, 27s.; Spanish, quoted at 60s. CARAWAY.—Dutch, 37s., spot, duty paid; 32s. 6d. quoted f.o.b. Holland. CORIANDER.—New crop Morocco offered at 15s., spot, duty paid. For August-September shipment, 11s. 6d., c.i.f., is quoted. CUMIN.—Spot, Malta, 40s.; Morocco, 38s., duty paid. FENNEL.—Indian, spot, 32s. 6d. FENUGREEK.—Morocco sold at 14s., spot, duty paid. Shipment, 11s. 6d., c.i.f. quoted. MUSTARD.—English, 21s. to 32s. per cwt., according to quality.

SENNA.—Inquiry, particularly for export, has been better and prices remain steady at the rates detailed in our last report. Some small parcels of new crop Tinnevely leaves and pods have arrived, but the quality can only be described as ordinary to fair.

SHELLAC.—Quiet, unchanged: spot, standard TN orange, 54s. to 59s.; shipment, TN orange, August-September (sellers), 50s. per cwt.

SQUILL.—Spot supplies very limited; price firm at 35s. per cwt.

TONKA BEANS.—Steady at the former levels: spot, 4s. 3d.; shipment, new crop, 3s. per lb., c.i.f.

TRAGACANTH.—Spot stocks continue to decline and business in all white grades, particularly in material between £20 and £36 per cwt., has been done at higher rates.

WAX.—BEES.—Demand has been good for most varieties. Calcutta, bleached, spot, 135s.; shipment, November, firmer, 126s., c.i.f. Abyssinian, spot, 120s.; in bond, 108s.; shipment, 107s., c.i.f.; Benguella, spot, 120s.; shipment, firmer, 109s. 6d., c.i.f. Conakry, no spot available; shipment, 118s. 6d. per cwt., c.i.f. Dar-es-Salaam, spot, 120s.; shipment, easier at 108s. 6d. per cwt., c.i.f. CARNAUBA.—Spot supplies limited; few offers. Fatty grey, spot, 165s.; afloat, firmer at 160s.; shipment, July-August, 159s., c.i.f. Chalky grey, spot, firmer, 165s.; shipment, July-August, 157s. 6d., c.i.f. Primeira, spot, good quality, 215s.; f.a.q., 205s.; afloat, 205s.; shipment, July-August, 196s., c.i.f. Mediana, spot, 205s.; shipment, 192s. 6d. per cwt., c.i.f.

### Essential Oils, etc.

ALMOND.—Very little about. Orders for foreign at 2s. 6d. per lb. were accepted earlier in the week, but later orders were refused. Expressed, English made, cwt. lots, 3s. 2d. per lb., stocks very short; foreign, cwt. lots, around 3s. French, bitter (essential), 6s. 3d. per lb.

ANISE (STAR).—There is still a dearth of orders from the source. The spot and near afloat demand has been good. Prices: leads, 2s. 5d.; tins, business done at 2s. 3d.; drums, 2s. 2d. quoted.

BAY.—Market steady, with little change: 49 to 50 per cent, 4s. 9d. to 4s. 10d.; 59 to 60 per cent., 5s. to 5s. 1½d. per lb., as to quantity.

BERGAMOT.—A communication from the source indicates that the shipment price, which, so far as this country is concerned, must be regarded as purely nominal since no business is being transacted, has risen sharply to around 10s. per lb. for 38 per cent., as to seller. It is possible that spot holders may demand higher prices, say 9s. to 10s. per lb., as to brand. There has been rather more inquiry than for some time previously.

BOIS DE ROSE.—Market steady at the previous quotations: 5s. to 5s. 3d. per lb., spot, for Brazilian; shipment, 4s. 10d. per lb., c.i.f.

CAJUPUT.—Fair demand; prices steady: B.P., 1s. 10d. to 2s. 2d. per lb., as to quality and quantity.

CAMPOR.—Japanese white, 90s. per cwt., ex wharf, duty paid, in 400-lb. drums.

CANANGA.—The market remains steady, with fair business reported: spot, 8s. 3d. to 8s. 9d., as to seller; shipment, about 8s. per lb., c.i.f.

CARAWAY.—Moderate inquiry; prices steady: Dutch rectified, 9s. to 9s. 1½d.; crude, 8s. 6d. to 8s. 9d. per lb., landed and duty paid.

CASSIA.—There has been a little more interest, and spot prices are a shade firmer at 3s. to 3s. 2d. per lb., as to quality. Shipment prices are quoted at 2s. 6d. for drums and 2s. 9d. for leads.

CEDARWOOD.—Continues easy at 1s. to 1s. 3½d. per lb., African, spot, in drums, as to quantity. American, in drums, 1s. 1½d. to 1s. 4d. per lb., as to quantity.

CINNAMON LEAF.—The market is quiet and easy around 3s. per lb., spot; shipment, about 2s. 5½d., c.i.f.

CITRONELLA.—Inquiry is moderate and prices are steady; shipment even a shade firmer: Ceylon, spot, drum, 1s. to 1s. 1d.; smaller parcels up to 1s. 4½d. per lb.; shipment, drums, 8½d. to 9d. per lb., c.i.f., as to source; Java, spot, drums, 1s. 3d.; smaller parcels, 1s. 4d. to 1s. 7d.; shipment, drums, 1s. 0½d. per lb., c.i.f.

CLOVE.—Demand and values steady at the levels recorded last week: Madagascar, spot, drums, 3s. 4d. to 3s. 5d.; smaller packings, up to 3s. 7½d. per lb.; shipment, 2s. 10½d. per lb., c.i.f., difficult to obtain. English oil continues firm at 4s. 5d. to 4s. 6d. per lb., as to quantity.

EUCALYPTUS.—Reports from the Australian source point to demands in excess of supply and the price quoted for shipment, 70 to 75 per cent., is 1s. 3d. per lb.; Spanish, spot, around 1s. 4d. per lb.

GERANIUM.—Bourbon, spot, 21s. to 21s. 6d.; shipment, 19s. 7½d., c.i.f.; Algerian, spot, 21s. to 22s.; shipment, 20s. per lb., c.i.f.

HO (SHIU).—Demand very slow: spot, 1s. 6d. to 1s. 9d. per lb., as to quantity and quality.

LAVENDER.—Quotations for new crop, French, 38 to 40 per cent., range from 18s. to 20s., and for 30 to 32 per cent., from 14s. to 15s. per lb., landed, as to seller.

LEMON.—The hot spell has not had time to bring new activity into the market. Sicilian oil is quoted at 7s. 9d. to 8s. 9d. per lb., as to seller; from the source the prices quoted are from 6s. 2d. for machine-pressed and from 7s. upwards for hand-pressed, both figures nominal; Californian distilled: regular quality, small drums, 3s. 9½d.; cold-pressed, rather more inquiry, 6s. 3d. per lb., c.i.f.

LEMONGRASS.—Steady, unchanged: spot, nominal, 1s. 6d.; shipment, around 1s. 6d. per lb., c.i.f.

MANDARIN.—The spot price is around 27s. 6d.; from the source, 20s. 6d. is quoted, but the price is nominal.

NUTMEG.—Spot, 5s. 4d. to 5s. 6d. per lb., as to quantity.

ORANGE.—The nominal shipment price for Sicilian is around 13s. for sweet and 8s. for bitter; French Guinea, spot, 3s. to 3s. 6d. per lb., as to seller, with higher rates for small lots.

PALMAROSA.—Spot, 5s. 10d. to 6s. per lb., as to seller; shipment, 5s. 6d. per lb., c.i.f.

PATCHOULI.—The demand is very moderate; prices steady: Singapore, 16s. 3d. to 16s. 6d.; Seychelles, 12s. to 12s. 3d. per lb., spot.

PEPPERMINT.—Japanese.—A good spot demand has resulted in some buyers having difficulty in finding cheap parcels. Holders are firm in asking 6s. 1½d. to 6s. 3d. per lb. Shipment prices are moving towards higher levels: September-October, 6s. 1d., c.i.f.; possible re-sellers at 5s. 11d.; October-December, up to 5s. 7½d. has been paid and second-hand sellers now quote 5s. 9d. per lb., c.i.f. Japan reports poor early crop, but main crop (for shipment, January-March) about normal. The price quoted at the source is now as high as 6s. 2d. Chinese, spot, 6s.; shipment, August-September, re-sellers, 5s. 9d. American, steady around 2½ dollars per lb.

PETITGRAIN.—Steady, unchanged: spot, in cases, 3s. 6d. per lb. and up to 3s. 10½d. for smaller quantities; shipment, in cases, 3s. 3d., c.i.f.

ROSEMARY.—Hard to find on spot, the price being from 2s. 9d. to 3s., as to seller. No shipment business.

SANDALWOOD.—Genuine East Indian Mysore, 19s. per lb., in one-case lots on spot; practically no second-hand offerings. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, business done at 7s. 3d. per lb. Australian oil continues steady: 5 cases, 14s. 6d.; one case, 14s. 9d.; 7-lb. tins, 15s. 3d. per lb.

SASSAFRAS.—Inquiry about normal; prices steady at 3s. 7d. to 3s. 9d. per lb., spot. Artificial oil at cheaper rates.

SPEARMINT.—Fair demand; prices steady: spot, 9s. 6d.; shipment, 8s. 9d. to 9s. 9d. per lb., c.i.f.

SPIKE.—No authentic news is available as to whether distillation is proceeding. There have been no shipments, and the London stocks are very low, as for all Spanish oils; prices around 5s. per lb., spot.

THYME.—No deliveries from Spain. Palestine distillation hampered by political troubles. Further rises not unlikely.

VEITIVER.—Bourbon, spot, about 37s. 6d. per lb.

WORMSEED.—Steady and quiet: spot, U.S.P., 9s. 3d.; shipment, 8s. 10½d. per lb., c.i.f.



# Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

## Apothecaries' Assistants

SIR,—The letter of the secretary of the Association of Certificated Dispensers (*C. & D.*, August 15, p. 210) contains inaccuracies that should not be allowed to stand without contradiction. There are no poor-law institutions to-day. At the smaller public assistance dispensaries and hospitals the dispensing of medicines is carried out under the direct supervision of the medical officer in charge, who accepts full responsibility; the actual mixing may be done by a certificated dispenser. Where a pharmacist is employed the responsibility is his, and no supervision by the medical officer is necessary. The statement that no dispenser of the Society of Apothecaries has contravened the Dangerous Drug Acts is, to say the least, foolish. As such dispensers are not allowed to have in their possession D.D.A. drugs, they have no opportunity of committing the crime of not keeping proper records. The physician of to-day is not the successor of the apothecary. A Fellow of the Royal College undertakes not to dispense medicines, a licentiate to dispense only those medicines of his own prescribing, whereas an apothecary has the right to attend the sick, prescribe and dispense medicines and keep open a shop for the sale of drugs and poisons—that is, he is both a professional man and a tradesman. The holder of the Assistant's certificate of the Society of Apothecaries is qualified to assist such a one, and then only under direct supervision.

Yours faithfully,

M.P.S. AND ASSISTANT, SOCIETY OF APOTHECARIES (18/8).

## Wetters for Horticultural Sprays

SIR,—We notice in your issue of August 15, under "Miscellaneous Inquiries—W. & S. (10/84)—Wetters for horticultural sprays," you omit to mention the more recent type of wetters, which have proved to be an improvement on the older types, such as soft soap, casein, etc. . . . The most important type on the market at the present moment are the sulphonated fatty alcohols. These alkylsulphuric acid esters possess wetting powers far above those of soap and sulphonated oils, and are completely resistant to hard waters as the calcium and magnesium salts are completely soluble. They are readily miscible with water and comparable in price, for  $\frac{1}{2}$  lb. gives the same wetting properties as 10 lb. of soft soap.

Yours faithfully,

For Stafford Allen & Sons, Ltd.

London, E.C.2.

K. C. ALLEN, Director.

## Can We Reorganise?

SIR,—A recent editorial article in *THE CHEMIST AND DRUGGIST* on "A Moral for Pharmacy" raises the question of whether pharmacy already possesses all the organisation it needs. Is it so much a matter of under, or over, as of effective organisation? For if we face this urgent important matter frankly we shall have to admit that the organised power of retail pharmacy as it exists to-day is more on paper than in reality, and a little critical survey of the position should serve a useful purpose. On the one hand we have the parent Society with its branch organisation of a nominal 100 per cent. membership resting on compulsory registration. Co-existent with this we have the National Pharmaceutical Union with a weak branch organisation and a voluntary membership. Yet neither of these bodies appears to provide the organisation that is so sorely needed; consequently we fall, as it were, between two stools and without any progressive policy being initiated. We clamour for leaders and a policy, yet we have no effective organisation to support either; and it is a significant fact, as showing the need for such, that the Council and the N.P.U. recently attempted to find some basis for the unification of their respective branch systems, but why they failed neither body seems prepared to tell us. The first task then should be to remove this disability and to decide once and for all which body is the best fitted for the task. Remembering the altered circumstances under which the Council of the Society will function in the future, its improved status and prestige, and its closer connexion with Government

departments, one is forced to a reasoned conclusion that the task of organisation should with advantage fall to some other body; and the only existing alternative is that of the N.P.U. Here we can be masters in our own house; and whatever defects it has (and it has some), in it we possess an instrument of organisation capable of being wielded with effective force, were it not so absorbed in the business of health and other insurances which appear to blind its Executive to the organising powers it should possess.

I submit that the time has come when we should look to this national body for some larger vision of its purpose, and by collaboration with the Society undertake the task of full organisation of every registered pharmacist, whether employer or employee. This would necessitate the employment of one or more full-time organisers, whose duty would be propaganda work throughout the country among individual pharmacists, and in promoting a well-planned system of branches, linked up through federated areas with the Executive. A still further step necessary is to ensure that any national organisation for retail pharmacy should be fully representative of the collective interests of the legitimate drug trade, and such representation should therefore include company chemists, wholesalers and distributors. . . . Greater expenditure would have to be faced, but the Union has already an assured income. . . . In addition it should be possible to receive from the Society some financial grant in view of the work of which it would be relieved. . . . There are pressing problems for pharmacy to contend with, and we shall not successfully do it until a comprehensive organisation is set up for the development and protection of the practice of retail pharmacy. We call for leaders: are we sure there is at hand a force of followers?—Yours, etc.,

FRANK E. S. CLARKE.

Newport, Mon.

## Comparative N.H.I. Statistics

SIR,—The comparative figures for Essex and adjacent districts given under "Insurance Act Dispensing" (*C. & D.*, August 15, p. 171) show some remarkable differences in the cost per head. Southend-on-Sea returns the highest at 41.40, and Essex County comes next with 39.6, while Surrey is lowest with 31.10. It is difficult to understand why there should be this difference in cost in areas which are situated so near one another. Although Southend has a separate Insurance Committee it is in Essex, and this county includes large areas of suburban London, so that it can hardly be described as a rural area; yet a district like East Ham shows a cost of 34.54 per head, or 6.86 below that of Southend. One would have expected the figures to be the other way round. The letter from the Pharmaceutical Distribution Committee does not appear to be very hopeful regarding the solvency of the drug fund, although it ends with a suggestion that there will not be a serious deficit. But the first three months of the year showed such an increase in cost that it necessitated withholding 10 per cent. of the chemists' accounts, and it only requires a similar increase for the last three months, or a slight epidemic, to render that 10 per cent. a permanent discount.

Faithfully yours,

PER CAPUT (17/8).

## Medicines with Confectionery

SIR,—One is becoming accustomed, or rather resigned, to seeing cards of packed drugs displayed in general shops (*C. & D.*, August 1, p. 121); but when travelling by road last week I stopped at a baker and confectioner's in a small town to make a purchase, and the first thing to meet my eye was a series of these cards hung behind the counter, twopenny bottles of olive oil, camphorated oil, little liver pills, packets of boric lint and cotton-wool, and penny bandages. On the counter were boxes of tablets (cascara, aspirin, ammoniated quinine, and so on). Why a baker should have taken up the sale of these things I do not know. But the card I noticed specially was one labelled "Liq. Iodi Mitis. B.P."

Yours, etc.,

DISCARD (4/8).



## Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

*I. B.* (28/77).—PRESERVATIVES IN FOOD.—Formaldehyde is not allowed to be used as a preservative in foods. The only preservatives allowed are sulphur dioxide and benzoic acid, and then only in the proportions stated in the Act.

*J. M. L.* (14/89).—EARWIG PEST.—Most of the formulas for preparations for the destruction of earwigs contain either arsenic or sodium fluoride (see *C. & D.*, July 4, p. 44). A formula which has been suggested for the destruction of this pest is as follows:—

Cocoa	..	..	..	..	..	4 oz.
Starch	..	..	..	..	..	8 oz.
Sugar	..	..	..	..	..	8 oz.
Borax	..	..	..	..	..	37 oz.

We should not like to say that a preparation of this nature is likely to prove very effective as those referred to above.

*L. & S.* (14/88).—DOSE OF CHENOPODIUM OIL.—The dose of chenopodium oil for horses is 2 to 3 drachms; for pigs 1 drachm (for an animal weighing 100 lb.); dogs 2 to 20 minims; puppies 1 to 2 minims. Formulas containing chenopodium oil for the treatment of worms in puppies and adult dogs were published in the *C. & D.*, March 21, p. 358. The use of this drug in the treatment of worms in pigs was dealt with in the *C. & D.*, 1935, I, 582.

*C. D.* (14/89).—PARIS PASTE.—We have been unable to trace any reference to Paris paste, but as you will see from the following list, most articles to which the name "Paris" is applied are materials largely used for colouring purposes:—

Paris black	..	..	..	..	..	Bone black
Paris blue	..	..	..	..	..	Methyl blue
Paris green	..	..	..	..	..	Emerald green
Paris lake	..	..	..	..	..	Carmine lake
Paris red	..	..	..	..	..	Red lead
Paris violet	..	..	..	..	..	Methyl violet
Paris white	..	..	..	..	..	Chalk
Paris yellow	..	..	..	..	..	Chrome yellow

*T. J. B.* (18/88).—WORMS IN WOODWORK.—The usual strength of a solution of mercuric chloride for treating wood infested with worms is one drachm in twenty ounces of spirit, but the treatment generally preferred to-day is by dichlorobenzene and barium oleate (see "Pharmaceutical Formulas," Vol. II). One of the chief difficulties in the use of the mercuric solution is to force the liquid into the holes, and for this purpose a hypodermic syringe is sometimes employed. For the subsequent filling of the holes, a beeswax and turpentine paste is used.

*L. B. T.* (17/89).—(1) VANISHING CREAM.—As a vanishing cream for use prior to applying a mud pack, we think the following formula will meet your requirements:—

Stearic acid	..	..	..	..	15
Cetyl alcohol	..	..	..	..	5
Olive oil	..	..	..	..	5
Lanolin	..	..	..	..	2.5
Glycerin	..	..	..	..	5
Triethanolamine	..	..	..	..	1.5
Water	..	..	..	..	150
Perfume as required.					

The cetyl alcohol can be used as a control.

(2) AFTER-SHAVE CREAM.—As an after-shave cream, we suggest the following:—

Stearic acid	..	..	..	..	15
Cetyl alcohol	..	..	..	..	1.5
Triethanolamine	..	..	..	..	1.5
Glycerin	..	..	..	..	3
Lanolin	..	..	..	..	1
Water	..	..	..	..	100
or Witch Hazel	..	..	..	..	20
Water	..	..	..	..	80

As above, the cetyl alcohol can be used as a control. Increasing the quantity will make a stiffer cream.

*H. F. M.* (14/89).—OAT CAKES.—The lard is probably the ingredient which is causing the trouble in the oat cakes. It might be possible to improve the keeping properties by the addition of a certain amount of salt. In Scotland it is usual to make these with butter or dripping.

## Poisons Queries

*S. J. P.* (17/88).—Phosphorus is a Part I poison in all dilutions. Manufacturers can sell phosphorus paste wholesale as mentioned in Section 20 of the Pharmacy and Poisons Act. The subject of wholesale dealing in poisons was explained in the *C. & D.*, April 25, 1936, p. 493.

*H. L.* (17/89).—Since your preparation is a liquid antiseptic for cuts and bruises, it cannot be exempted under the Third Schedule. Either within a frame or on a separate label, there must appear the words "For external use only" and "Poison." The percentage of phenol must also be indicated. (See *C. & D.*, July 25, p. 105.)

*C. E.* (11/83).—As presumably the nursing home is not an approved institution under the Poisons (Approved Institutions) Order, dangerous drugs and poisons for the use of patients can only be supplied in the same way as for the use of the patient in his own home. Consequently, any Fourth Schedule drugs can only be supplied on a doctor's prescription, and not on an order from the matron.

*J. W. F.* (20/78).—The prescription does not comply with the requirements of the Dangerous Drugs (Consolidation) Regulations, 1928, Regulation 9 (2) of which permits a prescribed drug or preparation to be dispensed not more than three times at specified intervals. In view of the strict interpretation put on these Regulations, it will be wise for you to draw the attention of the prescriber to them and to suggest that he brings his prescription into compliance with the Regulations.

*W. R. B.* (24/66).—Any person not keeping open shop is entitled to sell any poison by wholesale without either pharmaceutical qualification or being subject to any requirement to conduct such business on registered premises. Sales to dentists or doctors for the purposes of their profession are regarded as wholesale sales. A dental supply house can supply dentists but if the manufacture of preparations containing poisons is undertaken, the manufacture would have to be in charge of a qualified person. Further particulars regarding these matters are given in the *C. & D.* "Poisons Guide."

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," August 21, 1886

### The Drug Sales

The new Corn Exchange in Mark Lane is a rather dull and ponderous looking edifice at the south-eastern side of that famous thoroughfare. . . . In a room on the second floor of this building the fortnightly public sales of drugs have been held ever since, some twenty-five years ago, Garraway's Coffee House fell a victim to the spirit of modernisation, and thither every alternate Thursday morning drug merchants and brokers wend their way, catalogues in hand, to take note of the position of the market and to compete for those goods which have commended themselves to their judgment when, the day before the auctions, they made their usual round of the brokers' showrooms and the drug warehouses. The spacious but somewhat grimy and dusty room is of an oblong shape and affords seats for about 100 persons. . . . The catalogues, of which there are usually from twelve to twenty to be gone through, vary considerably in length. Some do not comprise more than twenty-five lots, while others exceed 500 . . . . The broker commences his sale without any preliminaries, plunging at once in *medias res* by soliciting offers for his goods. "Now, gentlemen, how much will you give for this lot? Very fine gum, article getting very scarce"—this is the favourite exordium, and "Gentlemen, we thank you; Messrs. So-and-so follow," is the stereotyped peroration. The bantering observations between auctioneer and audience popularly supposed to be a feature of every public auction are generally absent from the drug sales, which proceed throughout in dull decorum, an occasional pun on the name of a drug or an exhortation to a small buyer not to let this chance go by to secure a certain lot of exceptional badness only serving to render more conspicuous the usual absence of an Attic-salt flavouring. . . .



**NEW****P.A.T.A. DISPLAY TERMS**

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**ASPIRIN****14-DAYS' WINDOW OR COUNTER DISPLAY  
TERMS**

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- (c) '14 to the dozen' on orders for 6 dozen 12 x 5 gr. or 25 x 5 gr
- (d) Bonus of 1 dozen 25 x 5 gr on mixed orders for 12, 25 or 100 x 5 gr to total net value of 48/-

**YOUR PROFIT ON BAYER brand ASPIRIN**

Bonus parcels							Return	Profit	
							Outlay including bonus		
3 doz. 12's	-	-	-	-	-	-	12/-	19/6	38.4%
3 doz. 25's	-	-	-	-	-	-	24/-	39/-	
Mixed parcel including 100's	-	-	-	-	-	-	24/-	39/-	
Profit on shilling size 4.6d									
6 doz. 12's	-	-	-	-	-	-	24/-	42/-	42.8%
6 doz. 25's	-	-	-	-	-	-	48/-	84/-	
Mixed parcel including 100's	-	-	-	-	-	-	48/-	84/-	
Profit on shilling size 5.13d									

With every order for 1 doz. 1/- sizes, we shall be pleased to supply twelve copies of an interesting booklet entitled "The Romance of a Remedy," for distribution to your customers.

Every display you make for **BAYER brand ASPIRIN** will help you to increase the value of your aspirin sales. Claim these **EXTRA PROFITS**.

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99.90%  
N<sub>2</sub>O

ANALYSIS OF COXETER'S N<sub>2</sub>O

Nitrous oxide - not less than 99.90%  
Nitrogen - - not more than .08%  
Oxygen - - not more than .02%  
Carbon monoxide - - absent  
Nitric oxide - - - absent  
Water - - - the gas is dry to Calcium chloride

## COXETER'S NITROUS OXIDE

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Bottles of 25 × 3m Capsules beautifully  
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# CREAM OF MAGNESIA

(MIST. Magnes. Hydrox. B.P. U.S.P.)

An Antacid Emulsion in almost perfect suspension produced by the  
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ASK US TO SEND YOU A FREE 12-oz. SAMPLE BOTTLE



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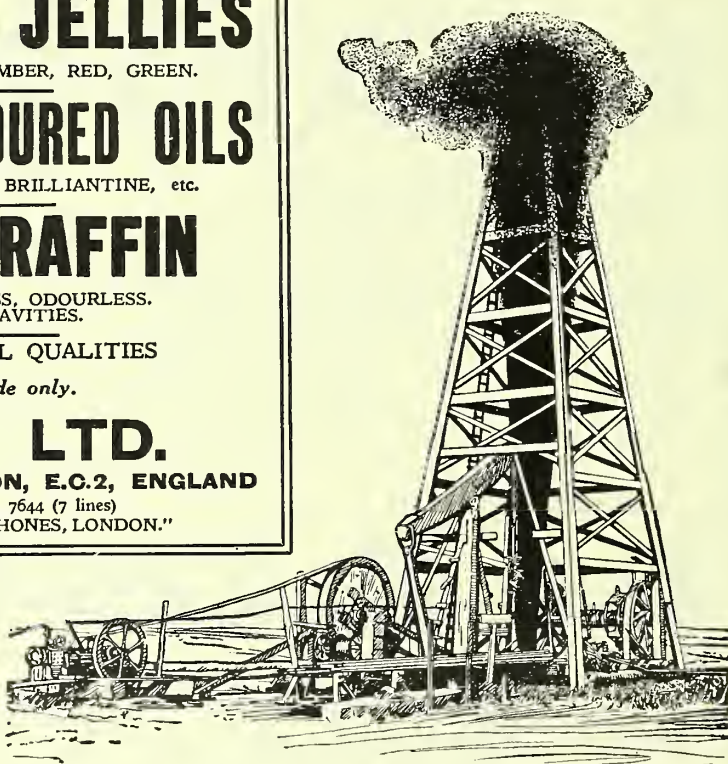
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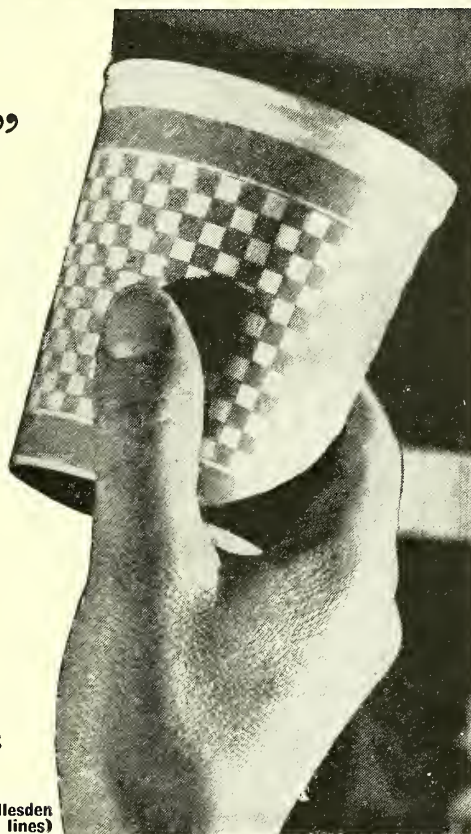
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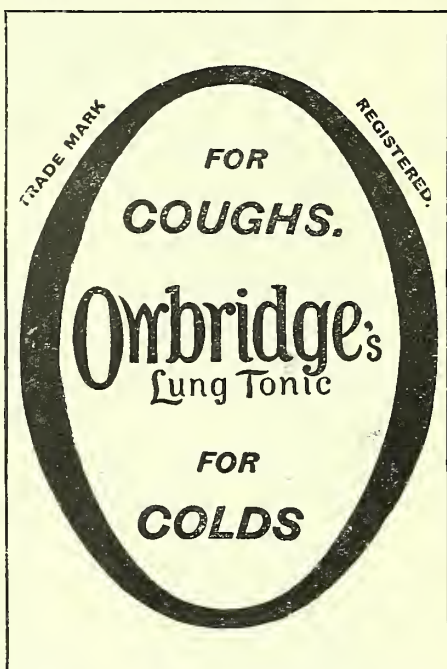
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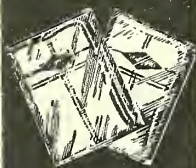
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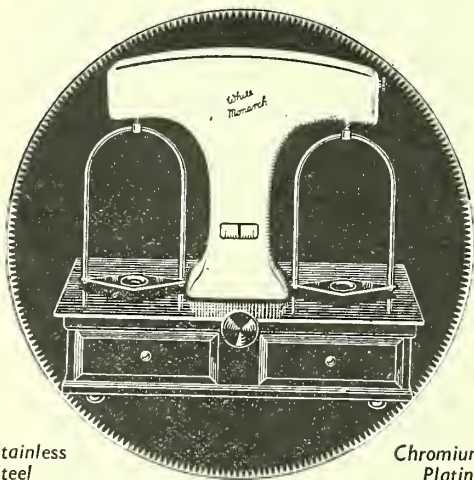
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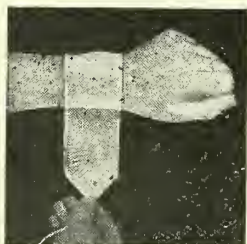
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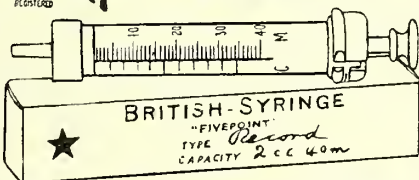
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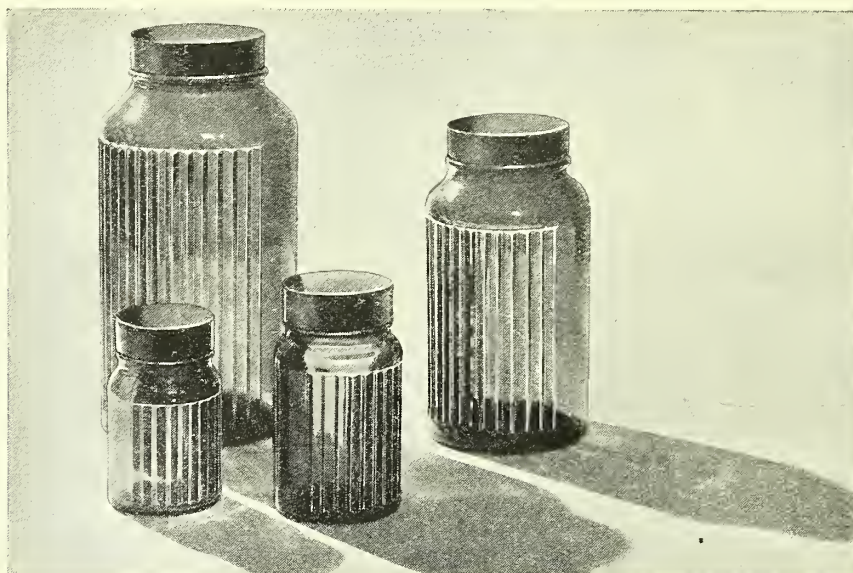
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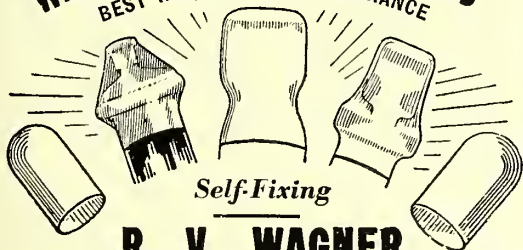
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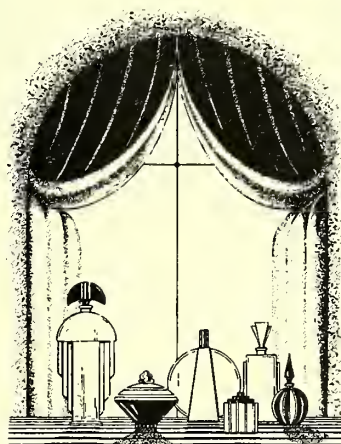
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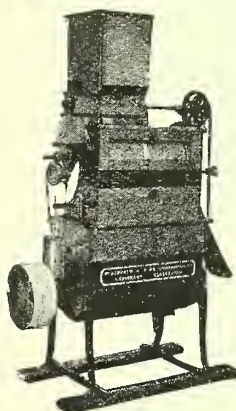
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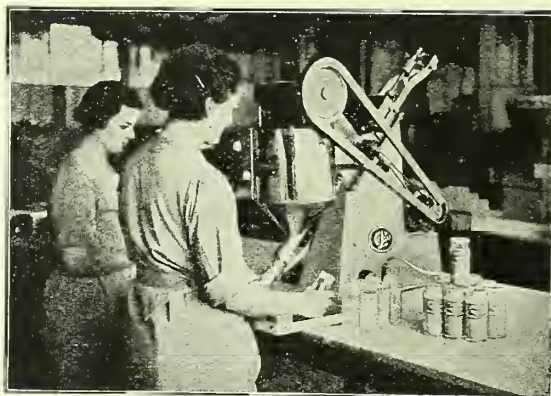
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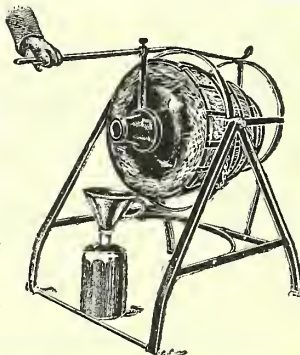
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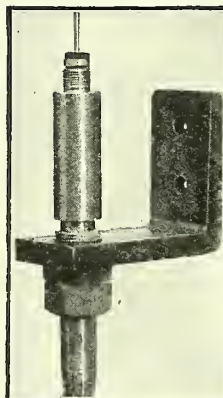
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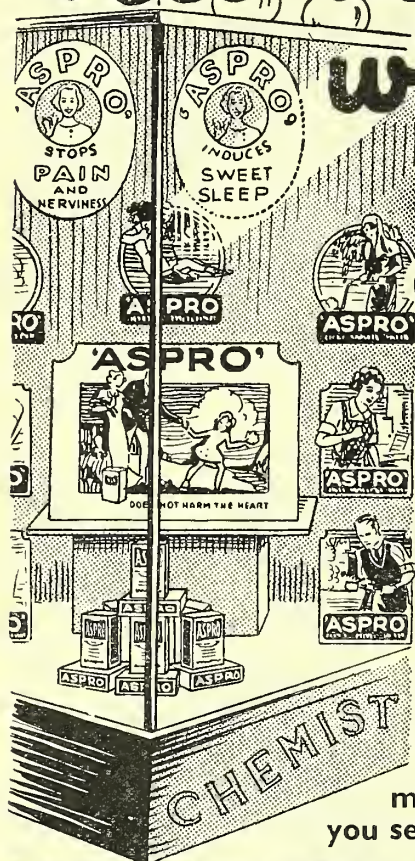
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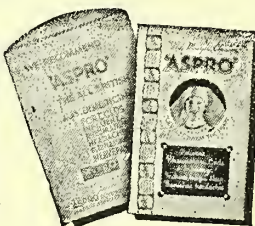
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# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

AUGUST 22, 1936

28 ESSEX STREET, LONDON, W.C.2

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ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

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 6.—KINGSTON (NEAR).—General Retail and Dispensing Business for sale owing to retirement of Vendor; takings last year approached £1,600; gross profit £595; scope for increase; nice living accommodation; price required £650 for lease, goodwill and fixtures, plus stock at valuation, in all about £950; net profit about £380 per annum.  
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 8.—SYDENHAM (NEAR).—General Retail Business offering scope for increase; returns exceed £1,300 per annum; net profit over £380 per annum; living accommodation available if required; small rental; long lease; price £900 all at or near offer.  
 9.—HOUNSLOW.—Good Middle-class General Retail Business; takings average about £30 per week; very nice living accommodation; new lease will be granted or premises can be purchased; price required £300 for lease and goodwill, plus stock and fixtures at valuation, in all at £1,100.  
 10.—LONDON, S.W.16.—Main-road Branch Business for disposal; good-class clientele; takings average about £60 per week; stock worth about £750; beautiful mahogany fixtures; long lease; price about £1,750 or £500 for the lease and goodwill, plus stock and fixtures at valuation.

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 17.—LEICESTER.—Business for disposal; returns under management over £1,300 per annum; net profit approximately £315; stock worth £320; nice fixtures; modern living accommodation with bathroom; premises can be purchased or leased; price of business £800 all at.  
 18.—SOUTH WALES.—Mixed Country Retail Business; takings last year £2,730; gross profit 37 per cent.; living accommodation available; stock and fixtures worth about £1,200; inclusive price for immediate sale £1,100 all at or alternatively valuation of stock and fixtures only.  
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Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

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(C2) COMMERCIAL ROAD, E.1.—Main road, lock-up Pharmacy offering excellent scope under personal proprietorship; the turnover during the past three years has shown a steady and consistent increase, and for 1935/36 exceeded £1,300; rent and rates £2 per week only; living accommodation on premises might be arranged if specially required; payment by means of a substantial deposit and the balance by instalments will probably be considered; further details upon application.

(C3) BIRMINGHAM SUBURB.—Old-established Pharmacy in good position; turnover £1,100; rent and rates (living accommodation) £167; property purchasable at £750; ground rent £15; total price £700, including stock £375 at valuation, fittings £300, goodwill £25; house could be used for optics, chiropody or hairdressing if desired.

(C4) LONDON, S.W.—Attractive middle-class Pharmacy showing steadily increasing returns, which are now at the rate of approximately £2,350 per annum, and should undoubtedly reach an early £3,000, consequent upon building extensions now in course of process; premises situated in congenial area; reasonable overheads; price asked £1,500, or very near offer; nothing less entertained; please supply bankers' references.

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(C6) EDGWARE ROAD (NEAR).—Lock-up Pharmacy with steadily increasing turnover; returns for last year £1,364; rent and rates approximately £22 per week only; reasonable purchase price, part of which might remain under approved circumstances.

(C7) LONDON, S.E.—Main-road Pharmacy, with up-to-date self-contained flat; increasing turnover, now at the rate of approximately £1,250 per annum, and well capable of considerable augmentation, particularly when building operations in the near vicinity are completed; rent £110; genuine reason for selling; approximately £500, or near offer, will probably secure; further details upon application.

(C8) LEEDS (NEAR).—Old-established business, which has only changed hands on one occasion during the past 40 years; increasing turnover, now at the rate of approximately £2,600 per annum; very low rental; living accommodation; price £1,200 all at.

(C9) HAMMERSMITH (NEAR).—Middle-working class cash business with no near opposition; turnover approximately £1,850 per annum; good scope for considerable further development; rent and rates (lock-up shop only), £105 per annum; lease 14 years; living accommodation above might be available if required; price £900 or near offer.

(C10) KINGSTON-ON-THAMES (NEAR).—Main-road Pharmacy with living accommodation, situated in growing district; average turnover approximately £1,000 per annum; rent £65; business easily worked; price £500 all at, or reasonable offer.

(C11) CROYDON (NEAR).—Main-road business with up-to-date self-contained flat above; average returns approximately £27 per week; excellent scope for further increase; very reasonable rental; no near opposition; price approximately £950.

(C12) CHISWICK (NEAR).—Good-class business showing steady and consistent increase; present returns approximately £2,000 per annum; lock-up shop; low rental; excellent scope; price approximately £1,100.

(C13) FINCHLEY.—Attractive modern lock-up Pharmacy, occupying main-road position; present returns, under management, approximately £23 weekly; excellent scope for considerable further development; modern frontage; low rental; value of stock and fixtures only will be accepted for quick transaction, and stock could be reduced if desired; excellent opportunity for chemist with limited capital.

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(C15) NEW BARNET.—Pharmacy with living accommodation, including four bedrooms, garden, etc.; in present hands 43 years; existing returns, which average about £18 weekly, should be capable of extensive increase; rent £50 per annum; price £600, or offer.

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**F**OR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms. 12s. 6d. to 25s. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

## AGENCIES.

**L**IVE Wholesale Sundries and Patents House, personally conducted, requires Agencies; lines suitable Chemists, Hairdressers, Stores, General; commission basis; no stock; personal connexion Liverpool and District, 20 miles area Lancashire, also Birkenhead, Wallasey District and North Wales; trade references supplied. 77/7, Office of this Paper.

**M**EDICAL Practitioner, returning to Australia, would like to secure Manufacture Agencies for brother residing Sydney, Australia. Particulars to P.C.B. 214/12, Office of this Paper.

**M**R. EPHRAIM SCHOCHER, of Messrs. Ephraim Schocher & Co., of Tel-Aviv, Palestine, importers of and agents for Pharmaceutical Specialities, is now in London and is desirous of securing suitable Agencies for Packed Goods, Pharmaceutical Specialities, and Proprietaries for Palestine and the Orient.

A complete and well-arranged propaganda service (including two medical practitioners) is available.

Communications up to August 25 should be sent to Mr. Ephraim Schocher, c/o The Royal Palace Hotel, Kensington, London, W.8. After that date letters should be addressed to Messrs. Ephraim Schocher & Co., 27 Nachmanystr, Tel-Aviv, Palestine.

**O**WING to retiral from the road an opportunity presents itself for a first-class man to acquire, on reasonable terms, for Scotland and Northern Ireland, several good agencies, Medical and Toilet, including a well-known Proprietary; whole-time job; good income assured; car essential. BM/BSMB, London, W.C.1.

## PATENTS.

**T**HE proprietor of British Patent No. 394571, dated November 19, 1931, relating to "Catamenial Device," is desirous of entering into arrangements by way of a licence or otherwise on reasonable terms for the purpose of exploiting the above patent and ensuring its practical working in Great Britain. Inquiries to B. Singer, Steger Building, Chicago, Illinois.

## BUSINESS OPPORTUNITIES

**M**ANUFACTURING Chemists with ample factory space desires to get in touch with firm, with view to Manufacturing and/or Packing their products, Toilets, Perfumery, Medical or allied products: a proposition that will interest those aiming at a reduction of overheads, or who desire to give more time to selling side. Reply in strictest confidence, 285/359, Office of this Paper.

## SALE BY AUCTION.

### REMOVED FROM CATERHAM.

2 to 5 LITTLE BRITAIN (close to G.P.O.), CITY. CHEMISTS' SHOP FITTINGS, Drug Runs, Nests of Drawers, Wall and Counter Showcases, Silent Salesmen, Mirrors, Cash Tills, Office Furniture, Safes, Typewriters.

### B. NORMAN & SON

will sell by Auction, Wednesday next, 26th instant, at 12 Noon. View Day Prior. Catalogues on application. Tel.: NAT. 6463.

## APPRENTICES.

**A**PPRENTICE required for high-class Dispensing and Photographic business. Apply to Reg. Graham, Ph.C., Adjoining Grand Cinema, Westbourne, Bournemouth.

## SITUATIONS OPEN.

### RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**B**OURNEMOUTH.—Unqualified, or recently Qualified, Assistant required at once; N.H.I. Dispensing and Window-dressing experience; living accommodation available. Full particulars to Savage, Penn Hill Avenue, Parkstone, Dorset.

**L**ANDUDNO.—Unqualified Lady Assistant (25-30) wanted early September for Dispensing, Counter and Photographic Sales; must be of good appearance and height; fullest particulars in first application. Miss Hornblow, M.P.S., 4 Queen's Buildings, Landudno.

**L**ONDON.—Wanted immediately, Qualified Dispenser to act as Superintendent, either temporarily or permanently, of Retail Chemist shop; work light. Apply, with particulars of qualifications, salary expected, when free to commence, etc., to 76/39, Office of this Paper.

**L**ONDON.—Young Qualified Assistant required; must be quick, accurate Dispenser for heavy N.H.I. and good Counterman; Photographic knowledge an advantage. 76/40, Office of this Paper.

**L**ONDON, E.—Wanted, Qualified Assistant, capable taking charge; good Dispenser and Salesman essential; start September 21. Apply, stating salary required, age, references, etc., to "Advertiser," 1 Woodside Road, Plaistow, London, E.15.

**L**ONDON, S.E.—Unqualified Assistant for progressive Pharmacy, to commence August 31; must be good modern Window-dresser, smart at Counter and reliable Dispenser; good references and full particulars; commencing salary £2 2s. Apply 75/19, Office of this Paper.

**L**ONDON, W.5.—Required at once, a Junior Assistant (male), Unqualified, for good-class Dispensing and Counter; Window-dressing experience essential; outdoors. Apply, with full particulars, to Bruce's Ltd., 28 Broadway, Ealing.



**MANCHESTER.**—Qualified; used to quick Counter and N.H.I.; working-class district. Apply, with full particulars, salary, age, etc., to 76/25, Office of this Paper.

**NEAR Manchester.**—Lady Dispenser, Hall certificate, part time, required for Doctor's Surgery. 73/4, Office of this Paper.

**LONDON.**—Qualified Assistant, used to medium- and better-class trade, from end of September; must be experienced in all branches and be able to manage if necessary; state age, experience, salary expected, and when able to start. 76/41, Office of this Paper.

#### NOTTINGHAMSHIRE COUNTY COUNCIL.

##### LADY DISPENSER.

**DISPENSER** (lady), M.P.S., required temporarily for full-time service in County Institutions in Nottinghamshire.

Salary £165 per annum and travelling expenses. The person appointed will be required to undertake the receipt, storage, dispensing, recording and accounting of all drugs and surgical dressings and such other duties as may be prescribed.

Applications, stating age, qualifications and experience, with copies of recent testimonials, to be sent to me not later than August 29, 1936.

K. TWEEDALE MEABY,  
Clerk of the County Council.

Shire Hall,  
Nottingham.  
August 1936.

**WORTHING.**—Gentlemanly Junior Assistant, with Dispensing experience, wanted (about September 14) for good-class business; easy hours; permanency; full particulars in first letter; personal interview if possible; applications unanswered in 4 days, declined with thanks. Witchell, 1 Brighton Road, Worthing.

**A GENTLEMANLY Assistant** (Scot preferred) required; must be good Dispenser and Window-dresser. Salary, references and photo, if possible, to E. M. Wilkinson, Gildabrook, Bower Road, Hale, Altrincham.

**A JUNIOR Unqualified Assistant** required from Monday, August 24, to Saturday, September 5, inclusive; this situation will be a permanency to right man; state age, experience, references and salary required; must be used to N.H.I. Dispensing and quick Counter trade. Taylor, Chemist, White Lion Square, Ilkeston, Derbyshire.

**A QUALIFIED Assistant** wanted, during next fortnight, for a week, one desiring a part holiday time and salary would be entertained, mutual arrangements could be made by correspondence. Smithsons, Preston Circus, Brighton.

**ASSISTANT**, male or female, for Dispensing, Counter and Window; state age, salary, experience, etc. B., 24 Bridge Street, Pinner.

**ASSISTANT** wanted as soon as possible; suit one just out of apprenticeship; must be a capable Dispenser and Counter-man; middle-class business near London. Write, giving full particulars, 76/7, Office of this Paper.

**JUNIOR**, male, indoors, for good-class Dispensing business; good Window-dresser and Dispenser. Apply, with full particulars age, height, salary, etc., and photo, to Exors. T. Evans, 114 Upper Richmond Road, Putney, London, S.W.15.

**JUNIOR Unqualified male Assistant** required September 7; experienced and capable Counterhand, good Window-dresser and some knowledge of Photography. State full particulars to Blacklock & Co., Chemists, The Square, Bournemouth.

#### PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

**LADY (25-30)**, Unqualified, wanted August 31, for country business; knowledge of high-class Toilet, General Counter and Window-dressing. Full particulars, and photo if possible, to 76/45, Office of this Paper.

**LOCUM, M.P.S.**, required for approximately 3 or 4 weeks in September, or near date; active, with good Counter and Dispensing experience; Photography; good reference required; able assistance given. Apply, with usual particulars, to Coates, M.P.S., F.B.O.A., Littlehampton, Sussex.

**LOCUM**, Qualified, for about a month from August 31; high-class trade; two assistants kept. References, salary required, photo if possible, to Brittain, Chemist, Louth, Lincs.

**LOCUM**, Qualified, for first 2 weeks September or nearest dates. State terms and references to F. W. Last, Ltd., 39A Head Street, Colchester.

**LOCUM (Qualified)** wanted, August 31 to September 12 inclusive. G. W. Sawdon, Ltd., 795 Lea Bridge Road, E.17. Telephone: Walthamstow 0909.

**LOCUM**, Unqualified, required at once for a month. Applications, stating age, experience, salary and references, to Haydon & Thomason, Chemists, High Street, Campden, Glos.

**OPPORTUNITY** for Chemist, lady or gent., not necessarily Qualified, to earn £300/£400 year and become financially interested in prosperous Pharmacy in good town, West Country; proprietor semi-retiring. Applicants with minimum £760 cash should write immediately to 77/10, Office of this Paper.

**PART-TIME** Qualified; London, S.W.; few hours per week; Panel, Counter, Window-dressing, general routine; capable taking charge during holidays; no Sunday attendance; permanency; state terms. G. M., 75/14, Office of this Paper.

**P. H. HALL**, Chemist, 13 Cifton Road, Maida Vale, requires a capable Unqualified Assistant (age 25-35 years); experienced in highest class Counter and Dispensing business. Apply by letter only, giving full particulars, to the above.

**QUALIFIED Assistant (male)**, for September 14; must be capable Dispenser and accustomed to high-class Toilet lines; knowledge of Photography preferred. C. Woollons, 19 Vivian Avenue, Hendon Central, N.W.4.

**QUALIFIED Assistant**, male (under 35), wanted for Bristol district, at once; permanency; must be reliable and used to N.H.I. Dispensing. State age, experience, references, salary required, with photo if possible, to 78/1, Office of this Paper.

**QUALIFIED Assistant-Manager** required near London; permanent position for suitable man; give full particulars of previous experience, age, salary required, photo and copies of references. 77/5, Office of this Paper.

**QUALIFIED Assistant-Manager**, under 30 preferred, for relief work at branch shops and part-time help at head address, London, S.W.; Optical qualification advantageous but not essential; progressive permanency for suitable man with business ability. State age, height, salary required to commence and when at liberty. 76/6, Office of this Paper.

**QUALIFIED Assistant** required, early, recently qualified entered. Apply by letter with all particulars, wage required, and photo if possible (returnable) to Openshaw's Pharmacy, Ltd., Horwich, near Bolton.

**QUALIFIED Assistant** wanted, either lady or gentleman; comfortable and permanent post to suitable applicant; state wage and full particulars first letter; E. Yorks. 76/42, Office of this Paper.

**QUALIFIED Chemist-Optician**, F.S.M.C. or B.O.A., for country town, Scotland; good salary and commission to suitable man; 4-roomed house on premises. Apply 76/15, Office of this Paper.

**QUALIFIED Chemist** required, South; brisk Counter, Photo, and small N.H.I.; permanency. Please send particulars and salary required to 75/4, Office of this Paper.

**QUALIFIED Female Assistant** wanted for busy Pharmacy; quick Counter trade and Dispensing. Please apply, stating salary required, age, and the usual particulars, to Secretary, Tamworth Industrial Co-operative Society, Ltd., 5 Colehill, Tamworth.

**QUALIFIED Lady**, experienced, required by August 29. Give full particulars to Patterson, Chemist, Claygate, Surrey.

**QUALIFIED Locum** required, August 24-September 5 if possible; no half-day or Sunday duty. E. H. Lacey, 216 St. Paul's Road, Canonbury, N.1, or phone Clissold 0281.



**QUALIFIED** Manager, lady or gent., required for branch shop in Middlesex. Also, at once, locum for a few weeks. Apply, with usual particulars, 76/38, Office of this Paper.

**QUALIFIED** Manager required for early September; young and accustomed to quick N.H.I. and working-class Retail; good Window-dresser. Apply Palmer, Chemist, 49 Cherry Street, Birmingham.

**QUALIFIED** Manager (under 30) required for branch shop (Middx.); position offers prospects of promotion and increase of salary to a keen and competent man with personality. State age, height, salary required, experience, etc., with photo (returnable) to 78/3, Office of this Paper.

**REQUIRED** at once, Junior Assistant (Improver), gent. Full particulars of age, salary required and references to W. Hervey Banks, 170 Wellington Road South, Stockport.

**REQUIRED** immediately, Unqualified Junior Assistant for high-class business; please state in first letter previous experience, salary required, height, and enclose a recent photograph. Burgin, Mansion House Pharmacy, York.

**SMART** Assistant, recently Qualified preferred (aged about 25), of good experience, for South Suburban business, to commence September 14; must be accustomed to good Dispensing; Window-dresser, Counterman, and general shop routine. Apply, with usual particulars and stating salary required, to 75/17, Office of this Paper.

**TWO** Firms of Private Chemists in Dorking want to get into touch with a Qualified Chemist who would be able to do locum work for odd days and week-ends during the coming winter; permanent summer locum work would be given to the right man. Apply 285/352, Office of this Paper.

**UNQUALIFIED** Assistant, quick and careful Dispenser; a gentleman with experience of D. and P. preferred; please give particulars of experience, salary expected and photo (if possible). Raynes, Dispensing Chemists, 14 John Bright Street, Birmingham.

**UNQUALIFIED** Assistant, young, either sex, required for Stamford Hill, N.16, district. Please give full particulars as to age, height, experience and salary required. 76/9, Office of this Paper.

**UNQUALIFIED** experienced Assistant (age 35-40) for busy middle-class business; first-class Salesmanship, good Counter manner, recent references as to character and ability essential; state when free for interview, giving particulars of wages required and experience. Durbins, Chemists, Kingston, Surrey.

**UNQUALIFIED** Junior male Assistant wanted for a good-class Family and Dispensing business; exceptional opportunity for gaining wide experience. Please send fullest particulars, reference and photo, if possible, to The Manager, Corie & Son, Ltd., Chemists, Maidstone.

**UNQUALIFIED** Junior or Improver (aged 21-23) (male) required end September; must be accustomed to good-class Dispensing business; applications not answered within 10 days declined with thanks; please give full details of experience. Edmonds, 83 South Street, Eastbourne.

**UNQUALIFIED** Junior required immediately; used to busy Counter and N.H.I. Dispensing; write, giving full particulars, experience, age, and salary required; if unanswered 7 days declined with thanks. W. B. Stather, Chemist, 34 Infirmary Road, Sheffield.

**UNQUALIFIED** (lady) required, Counter, N.H.I., etc.; one with experience preferred; state salary required; interview granted. "H. B.," 56 Mile End Road, E.1. (STEPNEY GREEN 4070.)

**WANTED**.—A smart, up-to-date Qualified man; able to take charge of small branch situated suburbs of Brighton; must be capable Dispenser and obliging. Particulars, salary, age, height, etc., to "Alpha," 75/1, Office of this Paper.

**WANTED**, early October, for good-class business, thoroughly competent and trustworthy Assistant (qualification not essential); courteous, smart appearance; good Salesman and Window-dresser; married; nice house over pharmacy provided; kindly give full particulars, photo if possible. Owen, Pharmacist, Gidea Park, Essex.

**WANTED** immediately, a Qualified Assistant, young; good Counter and General Retail Pharmacy experience. Apply, giving full particulars of experience, age, salary required, etc., 76/47, Office of this Paper.

**WANTED** immediately, competent Assistant (gentleman) (about 30) with good-class Dispensing, Counter and Window-dressing experience; tall; energetic; permanency to right man. Please give full particulars as to experience, age, height, salary required, and photo if possible, to Hill & Shaw, 357 High Street, Cheltenham.

**WANTED** immediately, Qualified Manager, lady or gent.; submit age, salary required and references. Booth Bros. (Chemists), Ltd., 294 Oldham Road, Middleton, Lancs.

**WANTED**.—Qualified Chemist to manage Drug and Dispensing Branch under Superintendent Chemist. Applications before August 28, stating age, experience, and wages required, endorsed "Chemist," to Managing Secretary, Failsworth Industrial Society, Ltd., 9 Church Street, Newton Heath, Manchester, 10.

**WANTED**, Young Assistant, either sex, for country business; short hours; no Sunday or holiday duties. Usual full particulars, photo if possible, and salary required, to Adams, Spilsby, Lincs. Phone 10.

**YOUNG** Lady, Qualified, required immediately for North London Pharmacy; neat and capable; interested in Cosmetics and Window-dressing; very easy hours; moderate salary to begin; excellent prospects. Full particulars to 76/51, Office of this Paper.

**YOUNG** Male Assistant wanted next month, Qualified or Unqualified; good Counterhand, Dispenser and Window-dresser; state experience, age, height and salary required. Letters to "Assistant," 84 Devonshire Road, Weston-super-Mare.

**YOUNG** Qualified Assistant required, permanency (lady preferred); N.H.I. Dispensing and general shop work; lady assistant kept; small shop in residential district; particulars, with references, etc. Apply Bonsor (Chemist), Ltd., 1 St. Stephens Road, Leicester.

### WHOLESALE.

**ASSISTANT** Sales Manager, with personality and ability to secure orders from London Chemists and Stores, wanted by progressive house marketing own brands of Proprietary Goods. Also Sales Agents for leading firms; commencing salary £200 and commission; investment required £200 in 7 per cent. preference shares; exceptional prospects. Write fully 63/6, Office of this Paper.

**BUYER'S** Assistant required by old-established London firm of Bottles, Tins, Boxes, etc., essential; splendid opportunity for young man with initiative and ability to intelligently interview representatives. Write, giving fullest particulars of experience, age and salary required, 285/356, Office of this Paper.

**HERE** is an opportunity to join the Sales Organisation of an important firm; we offer excellent prospects in the sale of an article in daily use, supplied only through Chemists and Druggists and distributed on an extensive scale; we require diligent, energetic and experienced Representatives, with established connections amongst Retail Chemists and Druggists; full support afforded in selling, and liberal commission offered. Applications, stating qualifications and experience, accompanied by photograph if possible, to 285/345, Office of this Paper.

**HIGH-CLASS** Perfumery offered as additional line to successful salesman on good commission; must have good active connections among Chemists, Hairdressers and Stores; territory will be reserved; state area covered and other lines carried. P.C.B. 214/25, Office of this Paper.

**PATENT** Medicines.—Experienced man required to take charge of small P.M. and Sundries Warehouse in the City. Full particulars to 75/13, Office of this Paper.

**REPRESENTATIVE**, active, keen (not over 35), acquainted with the Midlands, Northern Counties and Scotland, wanted full-time by French Perfumers established in England; must own car and have good connexions Chemists and Hairdressers. Write fully, stating age and experience, to 285/355, Office of this Paper.

**REPRESENTATIVES** required by Manufacturing Chemists to carry their products, in addition to present Agencies; very liberal commission basis; territories open; (1) Four Northern Counties, (2) Northern Ireland, (3) Birmingham Area. Full particulars to 285/358, Office of this Paper.

**REPRESENTATIVE** to call upon Medical men and Dentists in London and Suburbs; applicants should give full particulars of their past experience, stating age, whether any connexion on the area named, and if car available. 285/357, Office of this Paper.



**R**EPRESENTATIVES, -with Provincial connexions, required for all districts England, Wales and Scotland, to open up with Chemists, advertised Veterinary speciality at present sold by post direct to users; remuneration on commission basis. Write, giving full particulars of area covered, additional lines carried, and commission required, to 72/5, Office of this Paper.

**R**EQUIRED, Clerk (about 25-30), with knowledge of Export Invoicing, Shipping and Insurance; some experience in Estimating and Tendering useful. Apply, with details of previous experience and salary required, to Alpha, c/o Dakin Brothers, Ltd., 82 Middlesex Street, London, E.1.

**S**OLE Distributors of widely advertised Trade Mark Goods, sold only to Chemists and Druggists, require immediately first-class Representatives for the following vacant territories: Yorkshire, Cumberland, Durham, Westmoreland, Northumberland, Cornwall, Devon, Dorset; excellent opportunity for those with longstanding connexions with Chemists and Druggists; liberal commission basis only; no objection to those carrying non-competitive lines; car-owners preferred; state full particulars, including territories covered and present representation, in strictest confidence. 285/353, Office of this Paper.

**T**RAVELLER, with own car, wanted for Yorkshire area. Full particulars of experience to 74/1, Office of this Paper.

**W**ANTED, young man (aged about 30) with a thorough knowledge of the Surgical Instrument trade, capable of filling a senior position; communications will be treated with absolute confidence. Apply 285/351, Office of this Paper.

### COLONIAL, INDIAN AND FOREIGN.

**B**RITISH COLONY.—Young, single M.P.S. required as Assistant Manager in Gold Coast, prepared to sail October 30. Apply, stating age, full particulars of experience, and send photograph, to Secretary, West African Drug Co., Ltd., 40 Hauover Street, Liverpool, 1.

**W**EST AFRICA.—Qualified Chemist; single; age 24/26; commencing salary £350 per annum; good prospects to suitable man. Apply, giving full particulars, to 285/344 Office of this Paper.

**W**ANTED (East Africa).—Qualified Assistant Chemist, preferably with Optical qualification for extra remuneration; single; age about 35; good health, preferably abstainer; Photographic experience also desirable; 4 years' agreement; commencing £30 rising to £35 monthly; send photo with details record, copies testimonials. Apply 285/341, Office of this Paper.

### SITUATIONS WANTED.

#### RETAIL (HOME).

2s. for 18 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**A.A.A.**—MANAGER, Qualified, London, Suburban and West End experience, capable Salesman and Window-dresser, Photographic and Toilet, requires permanency. Pharmacist, 53 Crown Street, Egham, Surrey.

**A.A.A.**—QUALIFIED branch Manager desires change; 5 years' London experience; all-round knowledge middle-class Retail; sound references (age 29); single; Scot; sober; commence one month. 77/11, Office of this Paper.

### NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

**A.A.**—ASSISTANT (45), tall, Unregistered, good all-round experience, desires berth where genuine capabilities will be appreciated; conscientious and magnetic personality. Haigh, 25 Hetley Road, Shepherd's Bush, W.12.

**A.A.**—QUALIFIED Pharmacist (35), West End, experienced Bacteriology, Medical Routine, requires accommodation Doctor or Chemist; would assist after 6 p.m. or caretake only. "Dispenser," 27 Spenser Road, Herne Hill.

**A**SSISTANT, competent Dispenser, Salesman; full or part time; single; active; elderly; Unqualified. Statim, 42 Fenton Road, Lockwood, Huddersfield.

**C**HEMIST, experienced, excellent Prescriber, disengaged, desires Management, London or Provinces; liberal salary. "Drug," 46 Buckley Road, Brondesbury, N.W.6.

**C**HEMIST (28), City, West End, Suburban experience, desires permanency with firm of repute, as Manager or Senior; 10 years' experience; thorough knowledge Pharmacy. Chemist, 67 Guilford Street, W.C.1.

**E**XPERIENCED Dispenser, thorough knowledge of Pharmacy, disengaged in October, desires Senior permanency, London area; interview by arrangement. 77/6, Office of this Paper.

**F.S.M.C.** (30), experienced Optician, with 8 years' Pharmacy experience, seeks permanency or locum. "Optician," 387 Chepstow Road, Newport.

**L**ADY Assistant (45), Unqualified, seeks post; accustomed to Counter and N.H.I. Dispensing; salary £2 5s. T.M., 76/16, Office of this Paper.

**L**ONDON or Near.—Qualified Manager (30), married, seeks progressive post; very capable and reliable; thoroughly trustworthy; business promoter; Window-dressing prizewinner; wife is competent Assistant if services are required. 75/16, Office of this Paper.

**M.P.S.** DESIRES a responsible, good-class Pharmaceutical Management; long, keen, up-to-date experience; all-round sound business man; permanency wanted; married; middle-aged. Luminal, 76/31, Office of this Paper.

**M.P.S.**, MARRIED (35), abstainer, seeks permanency; present position (manager) 10½ years; conscientious, trustworthy; living accommodation preferred. 75/5, Office of this Paper.

**M**R. HOLDEN, Chemist, Walton-on-Naze, strongly recommends his Unqualified Assistant (24); capable Dispenser, Counter, Window-dresser; thoroughly reliable; 3 years present situation; free middle September. F. Ford, 2 Warwick Villas, Walton-on-Naze.

**Q**UALIFIED Chemist-Optician, J.C.Q.O. (32), married, requires permanency; 10 years' experience manager, 5 years sight-testing; living accommodation essential; view to succession or partnership; Lancashire or Cheshire preferred; capital available. 75/6, Office of this Paper.

**Q**UALIFIED Gentleman (29), good education and excellent country and suburban experience, desires responsible position in good-class City or West End Pharmacy; sound credentials; London interview if desired. 77/16, Office of this Paper.

**Q**UALIFIED Lady (23) requires permanency; South London preferred. 75/11, Office of this Paper.

**Q**UALIFIED Scot (22) desires permanent situation; free towards end of September. 73/2, Office of this Paper.

**Q**UALIFIED (34) desires permanency, Yorkshire; experienced Hospital, Window Display, Photo, etc. Chemist, c/o Parker & Watson, Micklegate, York.

**U**NQUALIFIED (27) seeks post in Chemist's or Drug Stores (8 years); South London preferred. 46 Palace Road, Bromley, Kent.

**U**NQUALIFIED (35); thoroughly experienced all branches; disengaged September 7; locum or permanency; country preferred. Hays, c/o 59 Sheen Lane, Mortlake, S.W.13.

**Y**OUNG Lady, Unqualified, desires position in a good-class business. Please write, J. Croggon, 13 Brunswick Square, W.C.1.



**WHOLESALE.**

**A** GO-AHEAD young man (21), five years in trade, good Salesman, literary ability, enterprise and initiative, seeks position in Publicity Department or on Selling Staff of firm of repute; South-eastern England preferred, but no quarter of the globe objected to; free one month from engagement. 78/2, Office of this Paper.

**A** DVERTISER desires re-engagement Representative reputable firm; Pharmacy trained, 16 years one firm; some travelling experience Southern and Midland Counties; unblemished reputation and integrity; well recommended (age 44); disengaged; willing wait vacancy; own car (for particulars 'phone Sales Manager, Hop 0707); moderate remuneration. F. J. M., 57 Huxley Road, Welling, Kent.

**A** DVERTISER, long experience, seeks sole representation for South Coast; strong connection Chemists and Stores; own car. P.C.B. 214/29, Office of this Paper.

**A** TTWOOD-TRAINED Salesman, Qualified Chemist, with excellent Retail experience, seeks Representative position of scope. 76/24, Office of this Paper.

**C**HECKER or Stock-keeper, 19 years' experience, desires change with London or Midlands firm; hard worker; excellent references. 77/3, Office of this Paper.

**P**ROFESSIONAL/TRADE PROPAGANDA, SALES. — Doctors, Chemists, Licensed Traders; car; long experience; salary and expenses. "Boaz," General Gordon Hotel, Weymouth.

**S**COTLAND and Northern England.—First-class fully-established Representative, Chemists, Hairdressers, Stores, seeks fresh engagement, progressive proprietary firm; own car. 76/28, Office of this Paper.

**S**COTLAND.—Disengaged Representative; valuable and exceptional connexion Pharmacists, Dentists, Institutions; most successful Medical Propagandist. Success, 8 Kaimes Road, Edinburgh.

**S**ITUATION with prospects sought by young man (28); 13 years' experience high-class Retail Pharmacy, up-to-date Veterinary knowledge; of good education and address. 76/1, Office of this Paper.

**T**RAVELLER, touring Western Counties, own car, could take another Representative lady or gentleman to share expenses of car. Write Tourist, P.C.B. 214/24, Office of this Paper.

**Y**ORKSHIREMAN (30), thorough experience Manufacture and Production Toilets, Packed Specialities, Galenicals, Buying, Costing and Sales, desires change; useful assistant to principal or works manager needing relief from detail. 75/2, Office of this Paper.

**Y**OUNG Gent.(27), now in Retail, desires position as Representative with firm of repute; requisite appearance, personality and interviewing ability; Midland connection; 10 years' excellent Pharmaceutical training and references; own car. 76/35, Office of this Paper.

**FOR SALE.**

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

(Articles to the value of £5-£50.)

**N**ATIONAL Cash Register; perfect condition; prints records and cash total; been carefully used. Write P. Parr, 136 Abbotts Drive, North Wembley.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**MISCELLANEOUS.**

10s. for 60 words or less ; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

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On receipt of addressed Post Office  
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Supplement will be forwarded without cost.

**LOOSE STAMPS WILL NOT BE ACCEPTED**

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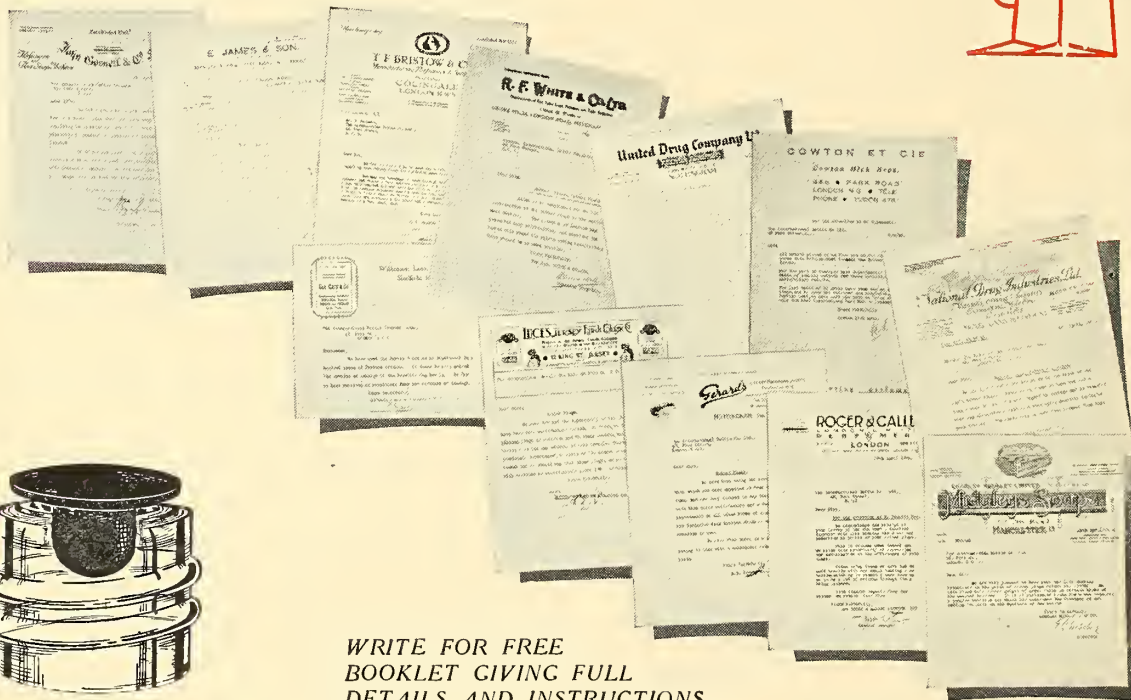
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"We ship large quantities of perfume abroad and have, in the past, been troubled with leakage in transit. We feel sure that your Plugs have now overcome this difficulty."

from J. Gosnell & Co. Ltd. letter of 7.4.36.

"We feel we would like to send you a word of congratulation regarding your Rubber Plugs for sprinkler neck bottles."

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from T. F. Bristow & Co. Ltd. letter of 6.4.36.

"We have been using the above Plugs with which you have supplied us from time to time, and are very pleased to say that these have been quite satisfactory and a definite improvement on all other forms of closures for sprinkler neck bottles which we have had occasion to use."

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from Gerards of Nottingham letter of 7.4.36.

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